



This is a digital copy of a book that was preserved for generations on library shelves before it was carefully scanned by Google as part of a project to make the world's books discoverable online.

It has survived long enough for the copyright to expire and the book to enter the public domain. A public domain book is one that was never subject to copyright or whose legal copyright term has expired. Whether a book is in the public domain may vary country to country. Public domain books are our gateways to the past, representing a wealth of history, culture and knowledge that's often difficult to discover.

Marks, notations and other marginalia present in the original volume will appear in this file - a reminder of this book's long journey from the publisher to a library and finally to you.

### Usage guidelines

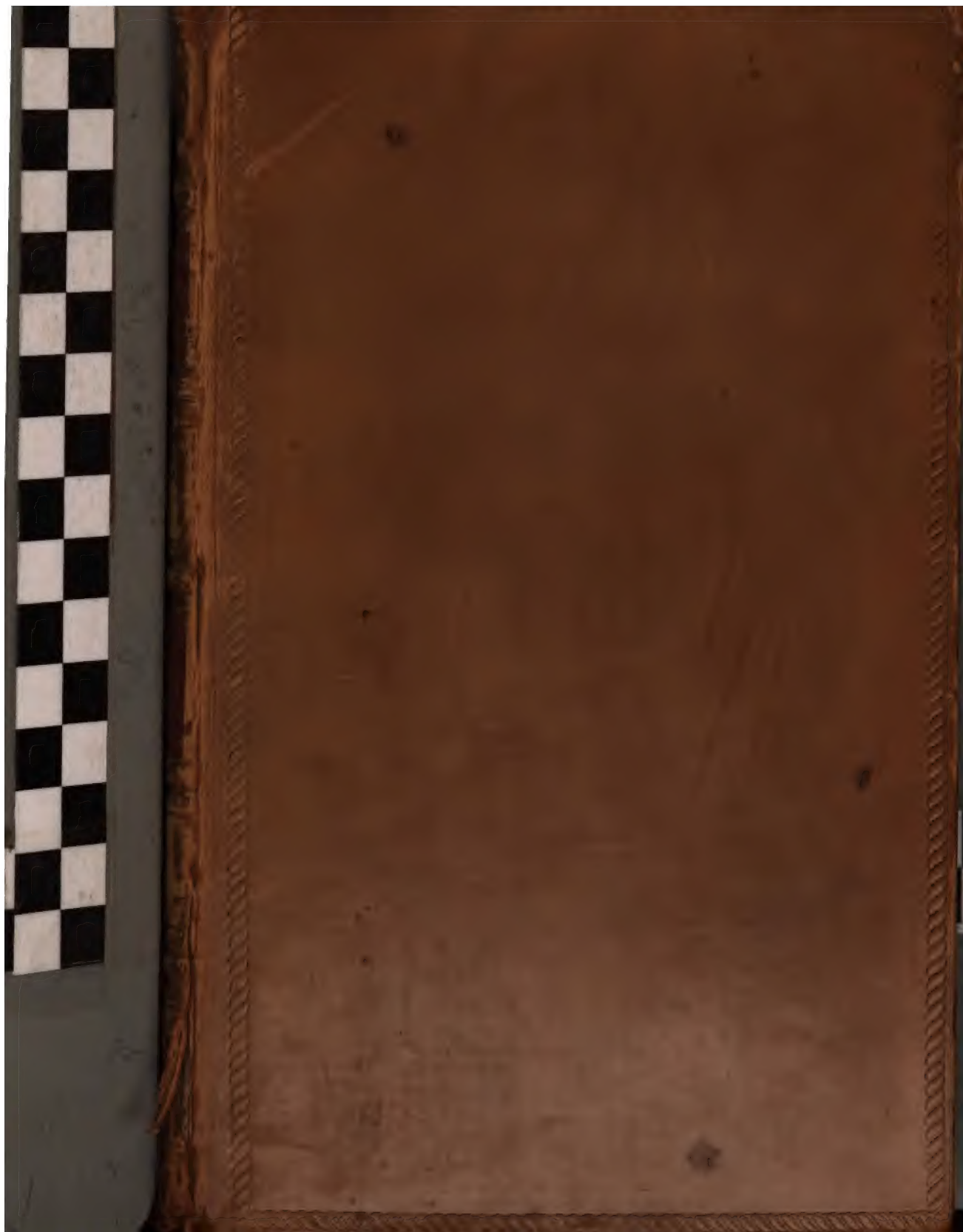
Google is proud to partner with libraries to digitize public domain materials and make them widely accessible. Public domain books belong to the public and we are merely their custodians. Nevertheless, this work is expensive, so in order to keep providing this resource, we have taken steps to prevent abuse by commercial parties, including placing technical restrictions on automated querying.

We also ask that you:

- + *Make non-commercial use of the files* We designed Google Book Search for use by individuals, and we request that you use these files for personal, non-commercial purposes.
- + *Refrain from automated querying* Do not send automated queries of any sort to Google's system: If you are conducting research on machine translation, optical character recognition or other areas where access to a large amount of text is helpful, please contact us. We encourage the use of public domain materials for these purposes and may be able to help.
- + *Maintain attribution* The Google "watermark" you see on each file is essential for informing people about this project and helping them find additional materials through Google Book Search. Please do not remove it.
- + *Keep it legal* Whatever your use, remember that you are responsible for ensuring that what you are doing is legal. Do not assume that just because we believe a book is in the public domain for users in the United States, that the work is also in the public domain for users in other countries. Whether a book is still in copyright varies from country to country, and we can't offer guidance on whether any specific use of any specific book is allowed. Please do not assume that a book's appearance in Google Book Search means it can be used in any manner anywhere in the world. Copyright infringement liability can be quite severe.

### About Google Book Search

Google's mission is to organize the world's information and to make it universally accessible and useful. Google Book Search helps readers discover the world's books while helping authors and publishers reach new audiences. You can search through the full text of this book on the web at <http://books.google.com/>







6000431280

G. 143. O. 12.



E. BIBL. RADCL.

~~25 18~~  
+  
~~29. 15. 16~~

C

169223 e  $17\frac{1}{2}$











**A**  
**BOTANICAL**  
**MATERIA MEDICA,**

**CONSISTING OF THE**  
**GENERIC AND SPECIFIC CHARACTERS**

**OF THE**  
**PLANTS**

**USED IN**  
**MEDICINE AND DIET,**

**WITH**  
**SYNONYMS,**  
**AND REFERENCES TO MEDICAL AUTHORS,**

**BY**  
**JONATHAN STOKES M. D.**

**IN FOUR VOLUMES.**

**VOL. II.**

**LONDON,**  
**PRINTED FOR J. JOHNSON AND CO.**

**ST. PAULS CHURCHYARD.**

**1812.**



Printed by J. Belcher and Son,  
High-street, Birmingham.

*Class 5.*

# PENTANDRIA.

*Order 2.*

## DIGYNIA.

### 224. URCEOLA.

*Follicles 2. Seeds immersed in a pulp. Corolla urceolate. Nectarium entire. From*

1. URCEOLA *elastica*. *Roxb. in asiatic research. v. 169. t. ELASTIC-GUM VINE. Howison ib. 157.*

### 225. APOCYNUM.

*Corolla campanulate, semiquinquefid, with 5 triangular appendages at the base on the inside. Nectaria 5, ovate, glandular, at the base of the germina. Follicles 2. Seeds pappose. Obs. 1373. L.*

1. APOCYNUM *androsæmifolium*. Stem nearly straight. Leaves ovate and elliptic, slightly villose underneath. Cymes terminal. *Obs. 1373.*

In a garden.—*L.—Hort. kew. i. 303. Curt. mag. t. 280.*

*A. caule rectiusculo herbaceo, foliis ovatis utrinque glabris, cymis terminalibus. Cutl. in amer. acad. i. 423.*

*A. canadense, foliis androsaemi majoris. Boccon. sic. 35. t. 16. f. 3. Hist. ox. s. 15. t. 3. f. 16.*

*Leaves* glabrous above. *Cymes* terminal, and sometimes axillary from near the ends of the branches. *Corolla*, segments 5, 6, and 7; appendages acute, loose above. *Nectaria* secreting a considerable quantity of juice. *Obs.* 1373. In a garden 11 July.—*Obs.* 5567. Specimen gathered by Dr. Cutler in New England.

*APOCYNUM androsaemifolium. Schoepf 29.*

2. *APOCYNUM venetum.* Stem nearly straight, herbaceous. Leaves ovato-lanceolate. *L.—H. K. i. 304.*

*Esula rara e lio venetorum insula, floribus purpureascentibus. Lob. adv. 160, repr. in ic. i. 372. f. 1; obs. 201, repr. in ic. i. 372. f. 2,*

*Esula veneta maritima. Ger. by Johns. 502, and cop. in*

*Tithymalus maritimus venetus. Park. theatr. 185, &*

*ALYPUM quibusdam, sive Esula rara flore purpureo. Bauh. J. iii. 676.*

3. *APOCYNUM reticulatum.* Stem twining, perennial. Leaves ovate, veined, glabrous. *From L. sp. 312, & Lour. i. 208.*

*A. caule volubili perenni, foliis ovatis venosis. Royen 412.*



DIGYNIA. 226. Periploca. 3

**OLUS CRUDUM.** *Rumph. v. 75. t. 40. f. 1, 2.*

4. **APOCYNUM Juventas.** Stem twining, fruticose. Leaves ovate, pilose. Racemi dichotomous. *Lour. i. 208.*

226. PERIPLOCA.

*Corolla* rotate. *Nectarium* rotate, quinquefid; segments terminating in incurvate threads. *Follicles* 2. *Seeds* pappose. *Obs.* 5561. *L.*

1. **PERIPLOCA esculenta.** *Corolla* glabrous. Leaves lanceolate. Flowers racemose. *From Roxb. i. 13. t. 11,* where in *f. 1* the flower is represented as having 5 lanceolate nectaria, pointing out a nearer affinity to *Pergularia* than to *Periploca*.

*Apocynum maderaspatanum angustifolium scandens,* flore amplo gemello versicolore. *Pluk. amalth. 19; phyt. t. 359. f. 6.* All the peduncles biflorous.

**PERIPLOCA esculenta.** *Koenig ap. L. fl. suppl. 168.*

2. **PERIPLOCA emetica.** *Corollae* glabrous. *Corymbi* with few flowers, axillary. Leaves linearilanceolate, without veins. *L. a Willd. i. 1250. Willd. phytogr. i. 6. n. 21. t. 5. f. 2.*

**PERIPLOCA emetica.** *Retz. obs. ii. 14. n. 34.* Specimen gathered by *Koenig* in *Tranquebar*.

227. PERGULARIA.

One of the Contortae. *Nectaria* 5, encompassing the pistil and stamina, semisagittate. *From L. mant.* 8.

1. PERGULARIA *edulis*. Leaves ovate, entire, glabrous. Stem herbaceous, twining. *Thunb. cap.* 38.

228. ASCLEPIAS.

*Corolla* rotate, quinquepartite. *Nectarium* infundibuliform, with 5 fleshy upright lobes. *Antherae* bilocular, connected laterally, and inserted on the inside of the tube of the nectarium. *Pollex* none, but in place of it 5 glands, each consisting of 2 flat fleshy clavate lobes, connected to a cartilaginous tubercle; each lobe contained in the adjoining cell of the anthera next to it, and the tubercles attached to the angles of the stigma. *Germina* 2. *Styles* 2. *Stigma* 1, turbinate, with 5 angles. *Follicles* 2. *Obs.* 3997. *L.*

1. *Horns* from the inner side of the segments of the nectarium.

1. ASCLEPIAS *globosa*. Leaves tomentose underneath, oval oblong and lanceolate. *Umbels* globular, nodding. *Obs.* 4001.

*A. syriaca*. *L.*—*H. K.* i. 305.

*Apocynum syriacum*. *Clus. hist.* ii. 87, repr. in *Apocynum syriacum* *Clusii*. *Ger. by Johns.* 899.

*Periploca recta virginiana*. *Park. par. t.* 443. *f.* 2.

*A. rectum latifolium americanum sive majus*. *Park. theatr.* 386, root stem and follicle.

*Apocynum majus syriacum rectum*. *Corn.* 90. *t.*

*ASCLEPIAS syriaca*. *Bryant* 56. *Schoepf* 29.

2. *ASCLEPIAS curassavica*. Leaves lanceolate, nearly glabrous. Stem simple. Umbels erect. *Obs.* 4002. Specimen gathered by Broughton in Jamaica.—*Swartz. obs.* 106.

*a bicolor*. Corolla scarlet. Nectarium saffroncoloured. *Obs.* 1418. In Mr. Hunter's nursery.

*A. curassavica*. *L. sp.* 314. *Hort. kew.* i. 306.

*A. erecta*, foliis angustis acuminatis verticilliter ternatis, floribus umbellatis terminatricibus. *Browne* 183.

*Apocynum radice fibrosa*, petalis coccineis, corniculis croceis. *Dill. hort.* 34. *t.* 30. *f.* 33.

*Apocynum curassavicum*, sive *americanum*, fibrosa radice, floribus aurantiis, chamaenerii foliis latioribus. *Herm. parad.* 36. *t.* 36.

*Apocynum erectum folio oblongo*, flore umbellato, petalis coccineis reflexis. *Sloane cat.* 89.

*Apocynum americanum*, canadensis cornutiani simili folio glabriore, flore umbellato aurantio. *Boerh.* i. 314.

*ASCLEPIAS curassavica*. *Wright in med. journ.* viii. 228.

*Pseudo-Ipecacuanna fusca*. *Dale* 178. 420. *Murr.* i. 523,

*Wild Ipecacuan*. *Graing.* 27. 35.

Reddish brown *Ipecacuanha*. *Douglas in phil. trans, abr. by Hutt.* vii. 358.



3. *ASCLEPIAS gigantea*. Leaves obovato-oblong. Petioles very short. Segments of the corolla reflex, involute. *H. K.* i. 305. *L. sp.* 312; *mant.* 346.

*ERICU*. *Rheede* ii. 53. t. 31.

*Ericu americana*. *Seba* i. 41. t. 26. f. 1.

4. *ASCLEPIAS procera*. Leaves obovato-oblong. Petioles very short. Corollae subcampanulate. *Hort. kew.* i. 305.

*A. gigantea*. *Jacq. obs.* iii. 17. t. 69.

*Apocynum erectum majus latifolium indicum*, flore concavo amplo carneo suave purpurascente. *Pluk. alm.* 35. t. 175. f. 3.

Beidelsar. *Alpin. aegypt. fol.* 35. p. 2. t. 36. cop. in

Beidelsar Alpini, sive *Apocynum syriacum*. *Bauh. J.* ii. 136, (misprinted 132)

*APOCYNUM syriacum*. *Dale* 178.

Alhasser. *Geoffr.* ii. 756.

2. *Nectarium whether with or without horns not ascertained. Leaves opposite.*

5. *ASCLEPIAS laniflora*. Leaves lineari-lanceolate. Peduncles axillary, umbellate at the end. *L. a Gmel.* ii. 445, from

*ASCLEPIAS laniflora*. *Forsk.* 51.

6. *ASCLEPIAS spiraliflora*. Leaves ovali-oblong, petiolate. Stem fruticose. Flowers axillary, solitary. Segments of the corolla linear, spiral, hirsute on the inner side. From

*ASCLEPIAS spiralis*. *Forsk.* 49, p. xciii.

*A. Scuntob*. *Forsk.* p. xcix.

7. *ASCLEPIAS decumbens*. Leaves villose. Stem decumbent. *L. sp.* 314, probably from  
*A. hirsuta*, foliis ovatis obtusis subsessilibus, caule decumbente. *Gron. virg. ed. i.* 27.  
*A. foliis villosis*, caule decumbente. *Gron. virg.* 37.  
*ASCLEPIAS decumbens*. *Bart.* 30. 48. *Coxe* 368.  
 Butterfly-root. *Schoepf* 160?
8. *ASCLEPIAS asthmatica*. Fruticose, twining, hirsute. Leaves opposite, petiolate, cordato-ovate, glabrous on the upper surface, entire at the margin. Umbels with few flowers. *L. fil. suppl.* 171.  
*A. zeylanica vincetoxici radice praestantiore*. *Burm. J. zeyl.* 36. *L. zeyl. n.* 490.  
*Apocyni genus scandens ex india orientali*. *Pluk. mant.* 17; *phyt. t.* 336. *fol.* 17. *pl.* 7.  
*Apocynum scandens zeylanicum*, foliis laurinis. *Herm. prodr.* 314.  
*Manughawael*. *Herm. mus.* 52.  
*ASCLEPIAS asthmatica*. *Linn.* 82.  
*Cynanchum Ipecacuanha*. *Decandolle, account from in edinb. journ.* i. 103?
9. *ASCLEPIAS alexicaca*. Lower leaves cordate, upper ovate. Stem twining. Umbels sessile. *From Jacq. coll. ii.* 101, from a dried specimen.  
*NANSJERA-PATSIA*. *Rheede ix.* 21. *t.* 13.
3. *Nectarium whether with or without horns not ascertained*, Leaves alternate.
10. *ASCLEPIAS tuberosa*. Leaves alternate, lanceo-  
 ceolate, Stem divaricate, pilose. *L. sp.* 316,  
*Hort. kew.* i. 309.  
*A. caule erecto divaricato villosa*, foliis lanceolatis,

umbellis simplicibus fere terminatricibus. *Royen* 411.

*Apocynum novae angliae hirsutum, tuberosa radice, floribus aurantiis.* *Herm. hort.* 646. t. 647; *parad.* 35. *Dill. hort.* 35. t. 30. f. 34.

*Leaves oblongo-lanceolate. Specimen in Mr. Knowlton's herbarium.*

*ASCLEPIAS tuberosa.* *Bart.* 48. *Schoepf* 30. 160. *par. the last,*

4. *Nectarium with or without horns not ascertained.*

*Stem leafless.*

11. *ASCLEPIAS stipitacea.* Stems fruticose, articulated, diffuse. Umbels terminating the smaller branches. *L. a Gmel.* ii. 447, *from*

*ASCLEPIAS stipitacea.* *Forsk.* 50,

## 229. CYNANCHUM.

*Corolla* rotate, quinquepartite. *Nectarium* cylindric, with 10 and 5 teeth. *Antherae* with 2 cells, inserted on the inner side of the nectarium. *Pollen* none, but in place of it 5 glands, each consisting of 2 flat clavate lobes, connected to a cartilaginous tubercle, each lobe being contained in the adjoining cell of the anthera next to it, and the tubercle attached to the angles of the stigma. *Germina* 2. *Styles* 2. *Stigma* peltate, quinquangular. *Follicles* 2. *Seeds* plumose. *Obs.* 5563. *L. a Schreb.* —*L.*

1. *Nectarium quinquepartite.*

1. *CYNANCHUM monspeliacum.* Stem herbaceous.

Leaves reniformi-cordate, acute. *L.—H. K.* i. 302. *Jacq. coll.* iv. 106; *ic.* ii. t. 340.  
*Apocynum* IV latifolium. *Clus. hist.* i. 126, repr. from  
*Scammonea valentina.* *Clus. hisp.* 226, repr. in *Ger. by Johns.* 866, & cop. in  
*Scammonea monspeliaca flore parvo.* *Bauh. J.* ii. 136.  
*Scammonia monspeliaca dicta.* *Park. theatr.* 164.  
**CYNANCHUM** monspeliacum. *Murr.* i. 496.  
*Periploca,* *Geoffr. suite* i. 351.  
*Scammonia monspeliaca.* *Dale* 178.  
*Scammonia monspeliaca foliis rotundioribus.* *Chom.* 58.

2. *Nectarium with 10 teeth.*

2. **CYNANCHUM Vincetoxicum.** Lower leaves ovate. Umbels proliferous. Stem erect. *Obs.* 3999. In Mr. Hunter's nursery.  
*Asclepias Vincetoxicum.* *L. suec. n.* 212; *sp.* 314. *Hort. kew.* i. 307. *Roth germ.* ii. 283. *Woodv.* iv. 40. t. 227. *Fl. dan. t.* 849. Woods on the sea coast of Denmark.—*Asso n.* 215.  
*Asclepias albo flore.* *Tourn. paris.* 55. 394. Woods round Paris.—*Vaill. paris.* 16. *Boerh.* i. 312. *Mill. Ph. ic.* 36. t. 53.  
*Vincetoxicum.* *Dod.* 402, cop. in  
*Asclepias sive Vincetoxicum,* multis floribus albicantibus. *Bauh. J.* ii. 138, near Basle; repr. in  
*Asclepias flore albo.* *Ger. by Johns.* 898, and cop. in *Park. theatr.* 388. *Raii hist.* 1090. In Germany, Italy, and the south of France.  
*Asclepias vel Vincetoxicum.* *Fuchs.* 135. c. 45, *Hirundinaria.* *Trag.* 180.

*Stem* not lactescent, here and there with a few spots. *Leaves* opposite, ovate, shining underneath, pubescent at the margin; veins of both surfaces pubescent, those of the under surface of the same colour with the intermediate spaces. *Umbels* proliforous, pedunculate. *Peduncles* longer than the umbels, solitary, between the petioles, nearer to one of the petioles, sometimes a little above the petioles. *Corolla* white; segments oblong, just sensibly emarginate. *Nectarium* campanulate, decemdentate; teeth ovate, the 5 larger obtusely ovate, twice as broad as long, sometimes obsoletely dentate; the alternate teeth acute, four times shorter. *Obs.* 3999.

*Native* of Italy, Spain, France, Switzerland, Germany, and Sweden.

**VINCETOXICUM.** *Pharm. succ.*—*Alst.* i. 536. *Cartheus.* iv. 108. *Geoffr.* iii. 133. *Herm.* 43. *Krock.* n. 366. *Lew.* ii. 449; *disp. by Rother.* 260. *Neum.* ii. 134. *Ploucq. bibl.* i. 661. *Spielm.* 583.

*Hirundinaria.* *Pharm. austriaco-prov.* 41.—*Berg.* 172. *Linn.* 83. *Murr.* i. 543. *Vog.* 198.

*Asclepias.* *Dale* 179. *Mill. Jos.* 57. *Rutty* 44.

*Asclepias albo flore.* *Chom.* 310; *suppl.* 102.

3. *Nectarium* not examined. *Stem* twining.

3. **CYNANCHUM** *viminale.* *Stem* perennial, leafless.

*L. mant.* 392; *a Murr.* 257. *Hort. kew.* i. 301.

It had not flowered.—*Forst. G. austral.* n. 127.

*C. aphyllum.* *L. nat.* iii. 235.

*Asclepias aphylla.* *L. a Gmel.* ii. 447? from Forsk.

*Euphorbia viminalis.* *L. sp.* 649.

*Euphorbia inermis fruticosa nuda filiformis volubilis, cicatricibus oppositis.* *L. ups.* 140.



**DIGYNIA. 230. Ceropegia. 11:**

*Tithymalus indicus vimineus penitus aphyllus.*  
*Boerh. i. 257.*

**FELFEL TAVIL.** *Alpin. aegypt. fol. 36. p.*  
**2. t.** No fructifications.

4. **CYNANCHUM arboreum.** Leaves varying. Corolla rotate. *L. a Gmel. ii. 441, from Forsk. 53.*

**CYNANCHUM** Kerenna. *Forsk. p. xciv.*

4. *Nectarium not examined. Stem erect.*

5. **CYNANCHUM pyrotechnicum.** Stem fruticose, naked. Peduncles solitary, axillary, tuberculate. Flowers pedicellate, capitate. *Forsk. 53.*

**CYNANCHUM** March. *Forsk. p. xciv.*

**230. CEROPEGIA.**

*Corolla* infundibuliform; limb connivent. *Nectarium*, *stamina*, and *pistil* similar to those of *Asclepias*. *Follicles* 2. *Seeds* plumose. *From Roxb. i. t. 7, 8, 9, 10.*

1. **CEROPEGIA Candelabrum.** Umbels pendent. Flowers erect. Leaves ovate, mucronate. *From L. a Wild. i. 1275; sp. 309.*

**NJOTA-NJODEM-VALLI.** *Rheede ix. 27. t. 16,*

2. **CEROPEGIA juncea.** Leaves lanceolate, shorter than the flowers. *From Roxb. i. 12. t. 10.*

3. **CEROPEGIA acuminata.** Leaves lanceolate, gra-

12 PENTANDRIA. 231. Stapelia.

dually attenuate. Root roundish, depressed. *From Roxb. i. 12. t. 8.*

4. *CEROPEGIA bulbosa*. Leaves oblongo-obovate. Root roundish, depressed. *From Roxb. i. 11. t. 7.*

5. *CEROPEGIA tuberosa*. Leaves cordate ovate and elliptic. Roots terete, with tuberoled bulbs. *From Roxb. i. 12. t. 9.*

231. STAPELIA.

*Nectarium* double, stellate, covering the stamina and style. *Follicles* 2. *Seeds* pappose. *Obs.* 5559. *L.*

1. *Corolla* quinquefid. *Branches* terete.

1. *STAPELIA pilifera*. Corolla, segments ovate, acuminate. Branches sulcate, tuberculate; tubercles with a hair. Flowers sessile, solitary. *From Masson.—Thunb. cap. 46. L. fl. suppl. 171.*

*STAPELIA pilifera. Masson 17. t. 23.*

2. *STAPELIA mammillaris*.—Corolla with papillae on the upper side; segments triangular. Internodia of the branches oblong, obsoletely and reticularly verrucose; spines minute. Flowers nearly sessile. *From H. K.—L. mant. 216.*

*S. articulata. Hort. kew. i. 310.*

*S. aphyllus ad nodos mammillaris, flosculo rubello, siliquis pendulis. Burm. J. afr. 27. t. 11.*

*STAPELIA articulata. Masson 20. t. 30. Corollae* not expanded.

2. *Corolla quinquefid. Branches angular.*

3. *STAPELIA incarnata.* Corolla glabrous; segments subulato-triangular, flat. Branches with 4 angles; teeth horizontal. Flowers nearly sessile. *From Masson 22. t. 34, & Thunb. cap. 46.*

*Euphorbium erectum quadrangulare spinosum, ramis lateraliter rotundis foliosis. Burm. J. afr. 15. t. 7. f. 1.*

*STAPELIA incarnata. L. fil. suppl. 171.*

4. *STAPELIA quadrangula.* Stem with 4 angles; angles subdentate; teeth truncate. Flowers sessile, terminating the branches. Branches divaricate. *From L. & Willd. i. 1289, and Forsk. 52.*

*STAPELIA gholak. Forsk. p. xciii.*

5. *STAPELIA adscendens.* Corolla glabrous; segments ovate, reflected at the margin. Branches tetragonous; teeth incurvate. *From Roxb. i. 28. t. 30.*

6. *STAPELIA variegata.* Corolla glabrous, wrinkled above; segments ovate, acuminate, flat. Flowers pedunculate. Teeth of the branches patent. *From H. K. i. 309. L.—Curt. mag. t. 26. Forsk. 51.*

*Fritillaria crassa promontorii bonae spei. Stap. 335.*

*STAPELIA draet el kelb. Forsk. p. xciii.*

3. *Specific difference not ascertained.*

7. *STAPELIA Djadmél. Forsk. p. xciii.*



## 232. CHENOPODIUM.

*Calyx* pentaphyllous, pentagonal. *Cerolla* none.  
*Seed* 1, lenticular. *L.*

1. CHENOPODIUM *spinacifolium*. Leaves triangular, repandose; margin entire. Spikes compound, leafless, axillary and terminal. *Obs.* 1088. On the sides of roads and paths, and sometimes in pastures.

*C. Bonus Henricus. L. suæc. n. 77; sp. 318. Curt. lond. iii. 17. t. 184. Asso n. 220. Bot. arrang. 251. Sibth. prodr. n. 580. In the mountainous parts of Greece.—Gouan hort. 123. About Montpellier.—Smith engl. t. 1033; brit. 272. Fl. dan. t. 579.*

*C. folio triangulo. Vaill. paris. 36. Boerh. ii. 90. Blitum, Bonus Henricus dictum. Raii hist. 195. Blitum perenne, Bonus Henricus dictum. Raii syn. 156.*

*Bonus Henricus. Trag. 317.*

*Rumicis tertium genus. Fuchs. 454. c. 176, cop. in Bonus Henricus. Bauh. J. ii. 965. Cam. epit. 368. Tab. ic. 425. Ger. by Johns. 329, repr. from Tota bona. Dod. 640, which repr. in Lob. obs. 129; & ic. i. 256, cop. in*

*Lapathum unctuosum, sive Bonus Henricus. Park. theatr. 1225, & abr. in*

*Wild Spinage. Petiv. herb. t. 7. f. 12.*

*Lapathi silvestris II genus. Dalech. 602.*

*Native of Europe as far north as Sweden, and according to Gronovius of North America.*

*BONUS HENRICUS. Berg. 174. Dale 75. Geoffr. iii. 199. Krock. n. 369. Læw. i. 228.*

*Linn.* 84. *Mill. Jos.* 89. *Murr.* iv. 267. *Schoepf*  
 30. *Spielm.* 453. *Vog.* 55  
*C. Bonus Henricus.* *Bryant* 62.  
*Bon-Henry.* *Chom.* 717.

2. **CHENOPODIUM** *rubrum*. Leaves deltoid, dentato-sinuate, entire at the margin towards the base, glabrous, when young slightly frosted underneath. Spikes compound, erect, leafy, when fully grown shorter than or as long as the leaves. *Obs.* 5959. On a dunghill.—*L. succ. n.* 217; *sp.* 318. *Bot. arrang.* 254. *Smith brit.* 274; *engl. t.* 1721. *Krock. n.* 371. *Fl. dan. t.* 1149.  
*C. sylvestre alterum, coma purpurascente.* *Vaill. paris.* 35.  
*C. Pes anserinus I.* *Tourn. paris.* 17. *Boerh.* ii. 90.  
*C. folio laciniato, coma purpurascente.* *Boerh.* ii. 90.  
*Atriplex palustris laciniata, purpurascente coma.* *Tourn. hort.* 99.  
*Atriplex palustris laciniata minor, coma virescente.* *Tourn. hort.* 99.  
*Blitum, Pes anserinus dictum.* *Raii syn.* 154.  
*Atriplex, dicta Pes anserinus.* *Bauh. J.* ii. 975, *cop. from*  
*Pes anserinus.* *Fuchs.* 622. c. 254, *which cop. in Dalech.* 542, *and Dod.* 605, *which repr. in*  
*Atriplex sylvestris latifolia altera.* *Ger. by Johns.* 328.  
*Atriplex sylvestris latifolia.* *Raii hist.* 198. *Lob. obs.* 128, *repr. in*  
*Atriplex sylvestris sive Pes anserinus latifolia, laceris laciniis.* *Lob. ic. i.* 254, &

*Atriplex sylvestris latifolia*, sive *Pes anserinus*. *Ger.*

*by Johns.* 329, & *cop. in Park. theatr.* 749.

*Atriplex sylvestris* III. *Dalech.* 536.

*Pes anserinus* I. *Tab. ic.* 427.

*Stem* glabrous, branched from the base. *Flowers* minute. *Calyx*, phylla obovate, 3 and 5. *Seeds* compressed, one fourth of the tenth of an inch long. *Obs.* 5959.

*PES ANSERINUS.* *Dale* 75.

*Atriplex sylvestris.* *Berg.* 175. *Linn.* 84.

3. *CHENOPODIUM album.* Leaves deltoid, dentate, entire at the margin towards the base, the uppermost lanceolate. Spikes leafy, erect. *Obs.* 5935. In a kitchen garden.—*L. succ. n.* 218; *sp.* 319. *Bot. arrang.* 253. *Curt. lond.* ii. 15. *t. Smith brit.* 275; *engl. t.* 1723. *Asso n.* 221.

*C. folio sinuato candicante.* *Tourn. paris.* 16.

*C. sylvestre alterum, folio sinuato candicante.* *Vaill. paris.* 35.

*Blitum, Atriplex sylvestris dictum.* *Raii syn.* 154.

*Atriplex sylvestris.* *Tab. ic.* 426. *Fuchs.* 125. *c.*

41, *cop. in Bauh. J.* ii. 972. *f.* 1, &

*Atriplex sylvestris altera.* *Ger. by Johns.* 326.

*Atriplex sylvestris* I *Matthioli primae editionis.* *Dalech.* 536.

*Stem* pentagonal. *Leaves*, teeth patulous. *Stylo* bipartite. *Obs.* 5935.

*CHENOPODIUM album.* *Krock. n.* 373.

*Schoepf* 31.

*Atriplex sylvestris.* *Dale* 75. *Schrod.* 540.

4. *CHENOPODIUM viride.* Leaves rhomboidal, dentato-sinuate. Racemi branched, with a few leaves.

DIGYNIA. 232. *Chenopodium.* 17.

- L. suéc. n.* 219; *sp.* 319. *Bot. arrang.* 254. *Pollich n.* 250. *Fl. dan. t.* 1150. *Asso n.* 222.  
*C. album:* *Huds.* 106  $\beta$  *Smith brit.* 276  $\gamma$   
*C. foliis rhomboideis dentatis subtus incanis.* *Hall. hist. n.* 1580.  
 Buddles round Blite. *Pet. herb. t.* 8. *f.* 4.  
 (*C. folio oblongo integro.* *Dill. giss.* 154 not the plant.  
*C. opuli folio.* *Vaill. paris. t.* 7. *f.* 1, has leaves more rhomboidal than I have ever seen either in *C. album* or *viride*.)

*CHENOPODIUM viride.* *Krock. n.* 374.

5. *CHENOPODIUM ambrosioides.* Leaves lanceolate, dentate. Racemi simple, leafy. *L. sp.* 320. *Hort. kew. i.* 313.  
*C. foliis lanceolatis dentatis, racemis foliatis simplicibus.* *L. cliff.* 85.  
*Botrys baetica atriplicis sylvestris facie, vulgo Botrys mexicana.* *Barrel. t.* 1185.  
*Epazotl.* *Hernand.* 159.  
*Atriplex odora sive suaveolens mexicana.* *Hist. ox. s. 5. t.* 31. *row 3. f.* 8.  
*Botrys ambrosioides mexicana.* *Bauh. Casp.* 138. 516. *Raii hist.* 196.  
*Botrys americana.* *Park. theatr.* 89. No fig.  
*Leaves serrato-dentate.* *Obs.* 8192. Specimen gathered in the Vienna garden.  
*CHENOPODIUM ambrosioides.* *Lew. disp. by Dunc.* 340. *Schoepf* 31.  
*C. mexicanum.* *Ploucq. bibl. i.* 655.  
*Botrys mexicana.* *Dale* 76. *Hufeland, account from in phys. journ. ix.* 94. *Lew. i.* 236. *Murr. iv.* 273.

18 PENTANDRIA. 232. *Chenopodium*.

*Botrys ambrosioides americana*. *Cartheus*. iii. 150.  
*Geoffr*. iii. 209.

*Botrys ambrosioides mexicana*. *Chom*. 154. *Vog*.  
56.

6. *CHENOPODIUM anthelminticum*. Leaves lanceolate, dentate. Stem pilose. Root perennial. *From Dill.*—*L. sp.* 320. *Hort. kew.* i. 313.

*C. lycopi folio perenne*. *Dill. hort.* 77. *t.* 66. *f.* 76. Leaves serrato-dentate.

*Botrys praealta frutescens, foliis longis laciniatis*.  
*Clayt. ap. Gron. virg.* 39.

*CHENOPODIUM anthelminticum*. *Bart.* 40.  
49. *Berg.* 177. *Kalm. trav.* i. 128. *Linn.* 85.  
*Merry, account from in chir. rev.* xviii. part ii.  
5. *Murr.* iv. 275. *Schoepf* 31.

*Chenopodium*. *Chalm.* i. 71.

7. *CHENOPODIUM Botrys*. Leaves pinnatifidly sinuate. Panicles dichotomous. *Obs.* 8191. Specimen gathered in the Paris garden.—*L. sp.* 320. *Host* 128. *Hort. kew.* i. 313. *Gouan hort.* 124. Near Montpellier.—*Asso n.* 223.

*C. ambrosioides, folio sinuato*. *Boerh.* ii. 90.

*Botrys*. *Dalech.* 952. *Trag.* 887, repr. in *Cord. fol.* 106. *p.* 2. *Tab. ic.* 14. *Cam. epit.* 598. *Fuchs.* 181. *c.* 64. *Raii hist.* 196. About Reggio in Calabria, Florence, Montpellier, and Nismes.—*Dod.* 34, repr. in *Lob. obs.* 113; *ic.* i. 228, *Ger.* by *Johns.* 1108, & cop. in

*Botrys vulgaris*. *Park. theatr.* 89.

*Botrys plerisque botanicis*. *Bauh. J.* iii. *b.* 298.  
No fig.

Native of Spain, Italy, Austria, and Languedoc.

*BOTRYS*. *Pharm. austriaco-prov.* 24. *succ.*—



*Berg.* 176. *Dale* 75. *Herm.* 497. 118. *Linn.* 84. *Mill. Jos.* 91. *Rutty* 69.  
*Botrys vulgaris.* *Lew. disp. by Dunc.* 340. *Murr.* iv. 270.  
*C. Botrys.* *Coste and Willem. in med. comment.* v. 298. *Krock. n.* 376.  
*Botrys sive Ambrosia.* *Lew.* i. 235.  
*Botrys ambrosioides vulgaris.* *Cartheus.* iii. 145.  
*Chom.* 153. *Geoffr.* iii. 206. *Vog.* 55.

8. *CHENOPODIUM multifidum.* Leaves pinnatifid.  
*Obs.* 8190. Specimen gathered in the Paris garden.—*L. sp.* 320.  
*C. sempervirens, foliis tenuiter laciniatis.* *Dill. hort.* 77. t. 66. f. 76.  
*CHENOPODIUM multifidum.* *Schoepf* 31?

9. *CHENOPODIUM maritimum.* Leaves subulate, fleshy, semiterete. *Obs.* 8189. Specimen gathered in the isle of Wight.—*L. a Willd.* i. 1807; *succ.* n. 224; *sp.* 321. *Bot. arrang.* 256. *Both germ.* iii. 299. *Smith engl. t.* 633; *brit.* 278. *Fl. dan. t.* 489.  
*C. sedi folio minimo; folio kali, semine splendente, annum.* *Boerh.* ii. 91.  
*Blitum, Kali minus album dictum.* *Rail syn.* 156.  
*Kali album.* *Dod.* 81, repr. in  
*Kali minus.* *Ger. by Johns.* 535, & cop. in  
*Kali minus album.* *Park. theatr.* 279.  
*Blanchette norbonensium, sive Kali minus.* *Lob. adv.* 170, repr. in  
*Kali minus.* *Lob. ic. i.* 394.  
*Native of the shores of Europe:*  
*SODA.* *Murr.* iv. 287.

10. *CHENOPODIUM Scoparia*. Leaves lineari-lanceolate. Racemi villose. *Obs.* 1518. Specimen gathered in a garden.—*L. a Willd.* i. 1306; *sp.* 321. *Hort. kew.* i. 314.

*C. lini folio villosa.* *Boerh.* ii. 90.

*Osyris.* *Dod.* 101, *repr. in*

*Scoparia*, sive *Osyris graecorum.* *Ger. by Johns.* 554.

*Scoparia, Belvider italorum.* *Lob. adv.* 176, *repr. in*

*Scoparia, et Osyris graecorum Dodonaei.* *Lob. ic.* i. 409.

*Scoparia, sive Belvidere italorum.* *Park. parad.* 268. *t.* 267. *f.* 4. *Raii hist.* 210.

*Herba studiosorum.* *Tab. ic.* 828.

*Linaria, Belvidere dicta.* *Bauh. J.* iii. 462. *f.* 1. 2.

*CHENOPODIUM Scoparia.* *Thunb. jap.* 113; *trav.* iii. 84.

11. *CHENOPODIUM olidum*. Leaves ovato-deltoid, farinaceous. *Obs.* 8188. Specimen gathered between London and Bristol.—*Curt. lond.* v. 20. *t.* *Smith engl. t.* 1034; *brit.* 277. About Yarmouth, and Lestoff in Suffolk.—*Host.* 128. *Relh.* 105. *Sibth. ox. n.* 275.

*C. Vulvaria.* *L. suec. n.* 222; *sp.* 321. *Bot. arrang.* 255. *Gouan hort.* 125. In ploughed fields and gardens about Montpelier.—*Woodv.* 394. *t.* 145. *Asso n.* 224.

*C. foetidum.* *Tourn. paris.* 17. *Vaill. paris.* 35. *Boerh.* ii. 90.

*Blitum foetidum, Vulvaria dictum.* *Raii syn.* 156.

*Vulvaria.* *Tab. ic.* 428. *Dalech.* 543.

*Garosmus.* *Dod.* 605, *cop. in*

*Atriplex olida*, sive *sylvestris foetida*. *Park. theat.*

749, & repr. in

*Atriplex olida*. *Lob. obs.* 128; *ic.* i. 255, & *Ger. by Johns.* 327. *Raii hist.* 198.

*Racemi* terminal and axillary. *Obs.* 8188.

*Native* of Europe from the south of France to Sweden, and about the towns of London, Oxford, Cambridge, Yarmouth, and Lestoff in Suffolk,

*VULVARIA*. *Pharm. austriaco-prov.* 75.—*Krock. n.* 378. *Linn.* 85. *Murr.* iv. 276. *Vog.* 141.

*Atriplex foetida*. *Alst.* ii. 328. *Chom.* 179. *Cull.*

ii. 364. *Geoffr.* iii. 144. *Hill* 347. *Lew. disp. by Rother.* 106. *Monro* iii. 27. *Rutty* 45.

*Atriplex olida*. *Dale* 75. *Lew.* i. 181. *Mill. Jos.* 65.

### 233. ATRIPLEX.

*Calyx* of the hermaphrodite flowers pentaphyllous, that of the female flowers diphyllous. *Corolla* none. *Seed* of the hermaphrodite flowers depressed, of the female flowers compressed. *From L.*

1. *Stem shrubby. L.*

1. ATRIPLEX *Halimus*. Leaves deltoid, entire at the margin. *L. sp.* 1492. *Hort. kew.* iii. 430.

*A. latifolia*, sive *Halimus fruticosus latifolius*. *Boerh.* ii. 89.

*A. Halimus dicta, latifolia. Raii hist* 194. Near Messina.

*Halimus Clusii. Bauh. J. i. b.* 227.

*Halimus verus. Dalech.* 265, cop. in

*Halimus Dalechampii. Bauh. J. i. b.* 227.



Halimus. *Clus. hist. i. 53, repr. in*  
*Portulacae marinae ramulus. Dod. 759, &*  
*Halimus latifolius. Ger. by Johns. 523, and cop. in*  
*Park. theatr. 724.*

*Leaves* deltoid, with the angles rounded, some sub-  
 rotundo-obovate. *Obs. 8195. Specimen gathered*  
*by M. Broussonett at Barcelona.*

*HALIMUS. Dale 74.*

*A. Halimus. Schoepf 153.*

*Αλμος, Diosc. l. i. c. 120.*

2. *ATRIPLEX portulacoides.* Leaves oblongo-lan-  
 ceolate. *Obs. 4383. Specimen gathered in the*  
*isle of Wight.—L. suec. n. 919; sp. 1493. Bot.*  
*arrang. 1142. Smith brit. 1090; engl. t. 261,*  
*leaves more acute than in any of my specimens.*

*Atriplex maritima fruticosa, Halimus et Portulaca ma-*  
*rina dicta, angustifolia. Raii syn. 153.*

*Halimus, seu Portulaca marina. Raii hist. 195.*

*Portulaca marina. Dalech. 552. Dod. 759 repr.*  
*in*

*Halimus angustifolius procumbens. Ger. by Johns.*  
*523.*

*Halimus. Cam. epit. 83, the flowering stems and*  
*leaves.*

*Portulaca marina. Tab. ic. 443. Lob. obs. 213,*  
*repr. in ic. i. 392, cop. in Park. theatr. 724, and*  
*repr. in*

*Halimus vulgaris, sive Portulaca marina. Ger. by*  
*Johns. 523.*

*Portulaca marina fruticosa. Bauh. J. i. b. 228, the*  
*2 outer figures.*

*Halimus Valerandi Donrez. Bauh. J. i. b. 227.*

*PORTULACA maritima. Dale 74.*

3. **ATRIPLEX spinacifolia.** Leaves hastate and triangular. Phylla of the female calyces deltoid and triangular, mostly dentate at the margin and on the disc. *Obs.* 1479. In and near the salt marsh at Shirley Wich near Stafford.

*A. hastata.* *Huds.* 443. *Bot. arrang.* 1144. (*L. succ. n.* 921; *sp.* 1494, is said by Dr. Smith to have phylla with long setaceous teeth.)

*A. patula.* *Smith engl. t.* 936; *brit.* 1091.

*A. maritima laciniata,* *Boerh.* ii. 89. In Holland.

*A. sylvestris folio hastato seu deltoide.* *Raii hist.* 192; *syn.* 151.

*A. folio hastato seu deltoide.* *Vaill. paris.* 19.

$\alpha$  *dentata.* Leaves hastate and triangular, dentate. *Obs.* 1479.

*A. sylvestris annua, folio deltoide triangulari sinuato et mucronato hastae cuspidi simili.* *Hist. ox. s.* 5. t. 32. f. 14.

*A. marina repens.* *Park. theatr.* 748, *cop. from*

*A. marina.* *Cam. epit.* 244. *Dalech.* 537. *Dod.* 605, *repr. in Ger. by Johns.* 324,

*A. marina repens.* *Lob. obs.* 128; & *ic.* i. 255, and *cop. in*

*A. maritima.* *Bauh. J.* ii. 974.

**ATRIPLEX hastata.** *Curt. lond.* ii. 66. t. 116.

$\beta$  *integerrima.* (Variation.) Leaves entire at the margin. *Obs.* 5399. With  $\alpha$ .

*A. hastata*  $\gamma$  *Huds.* 443.

*Atriplicis marinae specios Valerando.* *Bauh. J.* ii. 974.

*A. maritima ad foliorum basin auriculata procumbens, et ne vix sinuata.* *Dill. ap. Raii syn.* 152.

4. **ATRIPLEX hortensis.** Stem erect. Leaves trian-

gular sagittate and hastate. Calyx of the female flowers ovate. *Obs.* 5933. Amongst potatoes in a field.—*L. sp.* 1493. *Hort. kew.* iii. 430. *Dod.* 604, repr. in

*A. sativa altera*, folio et flore purpurea livens. *Lob. ic.* i. 253,

*A. sativa purpurea.* *Ger. by Johns.* 324, &

*A. sativa.* *Lob. obs.* 127. *Dalech.* 535,

*Atriplex.* *Trag.* 711. *Cam. epit.* 240.

*A. hortensis.* *Fuchs.* 125. c. 41, cop. in

*A. rubra et alba hortensis.* *Bauh. J.* ii. 970. f. 2. f. 1.

*A. sive Olus aureum.* *Park. parad.* 488. t. 487. f. 2.

*ATRIPLEX.* *Alst.* ii. 328. *Herm.* 356. *Spielm.* 44.

*A. hortensis.* *Bryant* 120.

*A. sativa.* *Berg.* 825. *Murr.* iv. 329.

*α viridis.* Stem and leaves green. *Obs.* 1404. In a garden.—*L. α. H. K. α.*

*A. sativa alba.* *Lob. ic.* i. 253, repr. in *Ger. by Johns.* 324.

*ATRIPLEX.* *Dale* 74. *Mill. Jos.* 65.

*A. alba.* *Geoffr.* iii. 141. *Schrod.* 540.

*A. hortensis alba, sive pallide virens.* *Chom.* 716.

*β purpurea.* Stem and leaves blackish purple. *Obs.* 5934. In a garden.—*L. β. H. K. β*

*A. rubra.* *Tab. ic.* 426.

*ATRIPLEX rubra.* *Geoffr.* iii. 142. *Schrod.* 540.

*A. sativa.* *Linn.* 265. *Vog.* 174.

*A. hortensis rubra.* *Chom.* 716.

5. *ATRIPLEX spicata.* Leaves cordato-ovate. Spike terminal, verticillate. *From*

*ATRIPLEX* inermis rubens, foliis cordato-ovatis venosis, petiolis longis, spica terminali verticillata. *Browne* 367.

Smooth red Calaluc. *Long* 771.

## 234. BETA.

*Calyx* quinquepartite. *Corolla* none. *Germen* semi-inferior. *Capsule* with 1 seed. *Seed* reniform. *Obs.* 4472. 6499. *Juss.* 85. *L.*

1. BETA *esculenta*. Lower leaves ovate, those of the plants of the first year cordate. *Obs.* 6696. In a garden.—*Salisb. R. allert.* 152.  
*B. vulgaris. L. sp.* 322. *Lour.* i. 217.
- \* *alba*. Leaves pale green. *Obs.* 6696.  
*B. vulgaris Cicla. L. sp.* 322.  
*B. Cicla. L. a Murr.* 262; *a Reich.* i. 623, repr. in *L. a Willd.* i. 1309, in which two latter works the 2 latter synonyms are not distinguished as varieties.  
*B. alba vel pallescens, quae Sicula et Cicla officinarum. Boerh.* ii. 94.  
*B. hortensis. Mill. Ph. dict. n. 2. var.* White Beet.  
*Beta. Trag.* 709. *Park. parad. t.* 487. *f. 4, cop. from*  
*B. candida. Dalech.* 532. *Fuchs.* 765. *c.* 311, *cop. in Bauh. J.* ii. 961. *Dod.* 609, repr. in  
*B. nigra. Lob. obs.* 124,  
*B. alba. Lob. ic.* i. 247, & *Ger. by Johns.* 318. *Lob. adv.* 93. No fig.  
*Stem* nearly erect, deeply furrowed, to 6 feet long.  
*Branches* numerous, nearly erect, or oblique.

*Leaves* of plants of the first year petiolate, cordate, obtuse, sometimes emarginate, with a very obtuse obsolete acumen in the middle; the lower ones of the plant in flower petiolate, ovate and deltoideo-ovate; *floral leaves* of the stem nearly sessile, rhomboid-ovate, those of the branches ovato-lanceolate. *Spikes* long, leafy, interrupted. *Flowers* conglomerate, connate at the base. *Heads* sessile, roundish, distinct, with a floral leaf at the base of each, those of the stem consisting of from 4 to 7 flowers, chiefly of 4; those of the lower part of the branches chiefly of 3, of the upper part of the branches 2, of the uppermost part of the branches of 1. *Bractea* very minute, ovato-triangular, whitish, one at the base of each flower, between the flower and the stem or branch, and sometimes one on the side next the floral leaf. *Calyx* quinquepartite; segments oblong, concave on the inner side, margin membranaceous, carinate; keel ending abruptly a little below the end. *Styles* generally 3. *Obs.* 6699.

*BETA* alba. *Berg.* 179. *Bryant* 135. *Cartheus.* ii. 165. *Dale* 79. *Geoffr.* iii. 178. *Lew.* i. 212; *disp. by Rother.* 114; in *Neum.* ii. 73. *Linn.* 86. *Mill. Jos.* 84. *Rutty* 62. *Schrod.* 546.

*B. alba vel pallescens, quae Cicla officinarum.* *Chom.* 714.

*B. vulgaris alba vel pallescens.* *Spielm.* 45.

*B. Cicla alba.* *Hermstædt, account from in phys. journ.* iv. 251.

*Poirée. Chom.* 74.

♂ *pallida.* Leaves pale green. Larger than *α*. From

*B. vulgaris* & *L. sp.* 322, &

*B. alba major.* *Boerh.* ii. 94.

*BETA vulgaris.* *Lour.* i. 217.



*γ viridis.* Leaves dark green. *Obs.* 6701. In a garden.

*B. vulgaris* = *L. sp.* 322.

*B. Cicla.* *L. a Murr.* 262; *L. a Reich.* i. 623, repr. in *L. a Willd.* i. 1309, the third synonym, which ought to have been distinguished by a *β* prefixed.

*B. hortensis.* *Mill. Ph. dict. n.* 2. Green Beet.

*B. communis sive viridis.* *Boerh.* ii. 94.

*B. nigra.* *Lob. adv.* 93. No fig.—*Fuchs.* 765. c. 311, cop. in *Bauh. J.* ii. 961, &

*B. rubra.* *Ger. by Johns.* 318. (The name and description belong to *δ*)

Common Greene Beete. *Park. parad.* 489. No fig.

*Stem* erect, 4½ feet long, furrowed, green, purple at the base, and at the axillae of the branches. *Leaves*, veins often purplish. *Peduncles* purple at the base. *Flowers* in fours threes and pairs, and at the ends of the spikes solitary. *Bractae* as in *α*, sometimes in threes. *Obs.* 6701.

**GREENLEAVED BEET.** *Lew.* i. 212.

*δ rubricaulis.* Leaves green with red veins. Stem and branches red. *Obs.* 6699. In a garden. 27 July.

*B. vulgaris.* *Mill. Ph. dict. n.* 3. Greenleaved red Beet.

*B. venis rubris.* *Bauh. J.* ii. 961. No fig.

Similar in appearance and in the structure of the flowers to *γ*. The plants from the same parents with *γ*, but selected from having red stems and more red in the veins of the leaves. *Obs.* 6699.

**REDDISHLEAVED BEET** with a long white root. *Lew.* i. 212.

*ε rubra.* Leaves red. *From*

*B. vulgaris.* *Mill. Ph. dict. n.* 3. Common red Beet.

- B. vulgaris rubra.* *L. sp.* 322  $\alpha$   
*B. rubra vulgaris.* *Boerh.* ii. 94.  
*B. nigra.* *Dalech.* 532. *Fuchs.* 765. c. 311, *cop.*  
*in Bauh. J.* iii. 961, &  
*B. rubra.* *Dod.* 609, *which repr. in Ger. by Johns.*  
 318.  
*B. rubra vulgatio.* *Lob. adv.* 94, no fig.—*obs.*  
 124, *repr. in ic.* i. 248, *cop. in Dalech.* 532, and  
*repr. in*  
*B. rubra romana.* *Ger. by Johns.* 319. (The des-  
 cription is that of  $\epsilon$ )  
*BETA rubra.* *Berg.* 178. *Bryant* 26. *Cartheus.*  
 ii. 165. *Dale* 79. *Hermbstaedt* account from in  
*phys. journ.* iv. 252. *Lew. disp. by Rother.* 114;  
*in Neum.* ii. 73. *Linn.* 85. *Mill. Jos.* 84. *Murr.*  
 iv. 278. *Pearson, R.* i. 53. *Schoepf* 32. *Schrod.*  
 546. *Spielm.* 45. *Vog.* 188.  
 Longrooted red Beet. *Lew.* i. 212.  
*B. rubra vulgaris.* *Geoffr.* iii. 179. *Rutty* 63.  
*B. nigra.* *Dale* 79. *Rutty* 62.  
 $\zeta$  *albo-rubens.* Root tuberous, red on the outside and  
 white within. *Obs.* 2576. In a garden.  
*B. hybrida.* *Salisb. W.* 15.  
*B. rubra major.* *Boerh.* ii. 94.  
*Flowers in fours and threes.* *Obs.* 2576.  
 ROOT OF SCARCITY. *Piepenbring* account  
 from in *phys. journ.* iii. 271.  
*B. vulgaris altissima.* *Hermbstaedt,* account from  
 in *phys. journ.* iv. 251?  
 $\eta$  *raposa.* Root tuberous, red throughout. *Obs.* 6700.  
 Specimen of the leaves gathered in a garden in  
 November.  
*B. vulgaris.* *L. sp.* 322  $\gamma$ . *Mill. Ph. dict. n.* 3.  
 Turneprooted red Beet.  
*B. rubra, radice rapae rotundae.* *Boerh.* ii. 94.

- B. rubra*, radice rapae. *Boerh.* ii. 94.  
*B. rubra.* *Lob. adv.* 93, no fig.—*obs.* 124, repr. in  
*ic.* i. 248, &  
*B. rubra romana.* *Dod.* 608.  
*B. rubra Matthioli.* *Dalech.* 533.  
*Rapum sativum rubrum.* *Fuchs.* 213. c. 77, cop. in  
*B. erythrorrhizos.* *Dalech.* 533, & abr. in  
*Rapum vulgare alterum.* *Trag.* 729, which cop. in  
*B. radice rubra crassa.* *Bauh. J.* ii. 961.  
*B. raposa.* *Park. parad.* 489. No fig.

*Leaves*, the lower cordate, obtuse and acute. *Obs.*  
 6700.

*BETA rubra*, radice rapae. *Chom.* 714. *Geoffr.*  
 iii. 179. *Schrod.* 546. *Spielm.* 45.

Turneprooted Beet. *Lew.* i. 212.

9 *lutea.* Root yellow. *From*

*B. vulgaris.* *L. sp.* 322 d, and *Mill. Ph. dict. n.*  
 3.

*B. lutea major.* *Boerh.* ii. 94.

*BETA lutea major.* *Spielm.* 45.

*B. radice flava.* *Spielm.* 45.

## 235. SALSOLA.

*Calyx* pentaphyllous. *Corolla* none. *Capsule* with  
 1 seed. *Seed* resembling a snail shell. *L.*

I. *Stem herbaceous.* *L. a Gmel.*

1. *SALSOLA Kali.* Leaves spinose at the end. Dor-  
 sal appendages of the phylla of the fruit opaque.  
*Obs.* 8685. Specimen probably gathered on the  
 coast of Norfolk.—*L. a Murr.* 263; *suec. n.* 225;  
*sp.* 322; *mant.* 347. *Forst. G. austral. n.* 130.  
*Retz. scand. n.* 306 a. *Mill. Ph. dict. n.* 1. *Fl.*



*dan. t.* 818. *Roth germ* i. 114; ii. 292. *Gort. belg. foed. n.* 232. *Bot. arrang.* 257. *Lightf.* 15f. *Sibth. prodr. n.* 591. *Smith brit.* 280; (*engl. t.* 634, very much resembles *S. Kali* of *Woodv. t.* 143, excepting that it is scabrous.)

*Salsola. Gron. virg.* 38. *Guett.* ii. 425.

*Kali. Dod. ed.* ii. 81.

*Kali spinosum, foliis crassioribus et brevioribus. Tourn. inst.* 246. *Magn. hort.* 108.

*Kali spinosum cochleatum. Raii syn.* 159; *hist.* 212.

*Tragus. Dalech.* 1477.

*Tragon Matthioli. Lob. obs.* 463, *repr. in ic.* i. 797, &

*Tragos Matthioli. Ger. by Johns.* 1117, & *cop. in* *Tragus, sive Tragum Matthioli. Park. theatr.* 1034, & *abr. in*

*Prickley Glasswort. Petiv. herb. t.* 9. f. 2.

(*Tragus spinosus Matthioli, sive Kali spinosum. Bauh. J.* iii. 706, is *S. Tragus*.)

*Stem* branched from the base, 8 inches long, hirsute; hairs short, cylindric. *Leaves* half an inch long, hirsute. *Obs.* 8686. Specimen gathered by Mrs. Stokes near the rocks at Barmouth in Merionethshire.—*Calyces* ovate; when in fruit depressed, rufous, irregularly oval,  $2\frac{1}{2}$  tenths of an inch wide, convex underneath, flattish above, rigid; phylla unequal, closing on the capsule, with dorsal appendages, the inner smaller, the largest sometimes terminated by a spine pressing horizontally upon the capsule; dorsal appendages horizontal, irregularly and obtusely dentate, somewhat transparent towards the margin, those of the 2 inner phylla narrower. *Style* bipartito-bifid. *Capsule* depressed, monospermous. *Obs.* 8685.

Native of the shores of Europe from Greece to Norway and the British isles.

*SODA.* Murr. iv. 282.

2. *SALSOLA scariosa.* Leaves spinose at the end.

Dorsal appendages of the calyx of the fruit scariosae. *Obs.* 8684. Specimen gathered in the Paris garden.

*S. Tragus.* *L. sp.* 322. *Hast.* 129. Hills, cornfields, and sides of rivers.—*Jacq. vind.* 42. Cornfields. *Sibth. prodr.* n. 592. *Gouan monsp.* 396. *Mill. Ph. dict.* n. 2.

*S. Kali.* *Gouan hort.* 126. Near Montpellier.—*Asso* n. 225. *Retz. scand.* n. 306. *(Woodv.* 386. t. 143, from Kew garden will prove I suspect to be *S. rosacea*.)

*Salsola.* *Kram.* 65. *Guett.* ii. 425, les plantes sur les bords de la mer.—*Royen* 220.

*Kali Tragus.* *Scop. carn.* n. 284. On the sea shore of Littorali.

*Kali spinosum*, foliis longioribus et angustioribus. *Tourn. inst.* 247. *Boerh.* ii. 93. In Holland.

*Tragus spinosus Matthioli*, sive *Kali spinosum.* *Bauh. J.* iii. 706.

*Drypis Theophrasti.* *Tab. ic.* 144.

*Tragum.* *Cam. epit.* 779, the upper part *cop. in*

*Kali spinoso affinis.* *Hist. ox.* s. 5. t. 33. row 3. f. 11.

*Trago.* *Matth.* 1035, *cop. in*

*Tragon.* *Tab. ic.* 703, &

*Tragus.* *Dalech.* 1477. *Lonic.* 93.

*Kali spinosum cochleatum.* *Magn. monsp.* 146.

Branches rigid, glabrous, 16 inches long. Leaves attenuate, slender, glabrous, 1½ inch long. Calyces ovate; phylla ovate, with a very shallow transverse

ridge across the middle; when in fruit depressed, irregularly oval,  $2\frac{1}{2}$  tenths of an inch broad, convex underneath, flattish above; phylla unequal, closing on the capsule, with dorsal appendages; the appendages of the 3 outer phylla semicircular, obsolete and irregularly dentate, divaricate, opaque and fawn coloured at the base, above membranaceous with numerous radiate ribs; the appendages of the 2 inner phylla conic, acute, shorter than the upper half of the phylla. *Style* filiform, short. *Stigmata* 2, filiform, 4 times as long as the style, recurvate. *Obs.* 8684.

*Native* of Greece, Italy, Spain, the southern and western coasts of France, Austria, and perhaps of Scandinavia, often at a distance from the sea.

*SODA.* Murr. iv. 284.

*Kali spinosum.* Geoffr. suite iii. 83.

3. **SALSOLA** *Soda.* Branches patulous. Leaves not spinose. *L. sp.* 323. *Hort. kew.* i. 316. *Jacq. hort.* i. 28. *t.* 68. *Host* 130. *Gouan monsp.* 126. On the sea shore near Montpelier.

*S. foliis inermibus.* Guett. ii. 426. On the western coast of France.

*Kali Soda.* Scop. carn. n. 285.

*Kali vulgare.* Bauh. J. iii. 702. No fig.

*Kali Dalechampii.* Dalech. 1378.

*Kali magnum.* Lob. adv. 169, cop. in Dalech. 1377, repr. in

*Soda.* Lob. ic. i. 394, &

*Kali.* Dod. 81, cop. in

*De la Soude.* Pomet i. 167, &

*Kali cochleatum majus.* Park. theatr. 279, & repr. in

*Kali majus semine cochleato.* Ger. by Johns. 535.

*Raii europ.* 157. On the shores of the Mediterranean sea.—*Boerh.* ii. 93. Native of Holland;

Native of the shores of the Mediterranean sea, of the western coast of France, and possibly of that of Holland, but Gorter does not confirm the mark of Boerhaave.

*SODA.* *Mutr.* iv. 283. *Neum.* ii. 285.

*Kali, seu Soda.* *Geoffr. suite* iii. 82.

*Kali.* *Dale* 77. *Lew.* ii. 24. *Rutty* 258.

*Souda.* *Chom.* 657.

4. *SALSOLA sativa.* Stem diffuse. Leaves terete, glabrous. Flowers conglomerate. *L. sp.* 323. *Hort. kew.* i. 316.

*BARILLA.* *Pharm. lond.*—*Pearson, R.* i. 238.

*Soda.* *Monro* i. 135, 147. *Murr.* iv. 282.

*Kali.* *Dale* 77. *Lew.* ii. 24. *Mill. Jos.* 250.

*Barilia.* *Hill* 802.

*Souda alicantina.* *Berg.* 181.

*Carbonas sodae impurus.* *Pharm. edin.*—*Lew. disp.* by *Dunc.* 177.

## 236. CRESSA.

*Calyx* pentaphyllous. *Corolla* hypocrateriform. *Filaments* inserted into the tube of the corolla. *Capsule* bivalve, with 1 or 4 seeds. *L. a Willd.* i. 1320. *L.*

1. *CRESSA monosperma.*—*Corolla* beardless. *Capsules* with 1 seed. *Retz.*

*C. cretica.* *Retz. obs.* iv. 24. *L. sp.* 325. *Gouan hort.* 127. Near Montpellier;—*monsp.* 37.



- Cressa. Allioni nic.* 25.  
*Anthyllis Dioscoridis. Magn. hort.* 18.  
*Anthyllis. Alp. exot.* 157. t. 156. *Raii hist.* 325.  
*Lysimachiae spicatae purpureae affinis, flosculis in*  
*cacumine caulis pluribus quasi in nodos junctis.*  
*Pluk. alm.* 236; *phyt. t.* 43. f. 6.  
*Chamaepitys prima. Fuchs.* 840, c. 340, *cop. in*  
*Chamaepitys folio non laciniato. Bauh. J.* iii. b.  
 297. *Raii hist.* 574.  
*Chamaepitys prima Dioscoridis odorator. Lob.*  
*adv.* 164, no fig.—*ic.* i. 383, *repr. from*  
*Chamaepitys prima Dioscoridis, pinum redolens.*  
*Lob. obs.* 209, *which cop. in*  
*Chamaepitys 3 Dodonaei. Ger. by Johns.* 515, &  
*Chamaepitys odorator. Park. theatr.* 283, & *repr.*  
*in*  
*Chamaepitys tertia. Dod.* 46. *Dalech.* 1160.  
*CHAMAEPITHYS tertia seu mas. Dale* 156.

## 237. ULMUS.

*Calyx* mostly quinquefid. *Corolla* none. *Berry*  
 juiceless, compressed, with a membranaceous border,  
 of 1 cell, with 1 seed. *Obs.* 2678. *L.*

1. *ULMUS americana.* Leaves doubly serrate, elliptic,  
 acuminate at each end. *Obs.* 4464. Specimen from M. Hertel. The above character will be found I am afraid not to comprehend all the varieties. When examining the specimens in Sir Jos. Banks's herbarium, I despaired of distinguishing it from *U. surculosa*, not having then noticed the remarks of Gron. *virg.* 39.—*L. sp.* 327. *Michaux* i. 172.

*Leaves* doubly serrate. *Specimens* in Sir Jos. Banks's herbarium, from the herbarium of Leche, from Jacquin, and the herbarium of Miller, which last very different from the rest.

- \* *tubra*. *Leaves* ovate, rugose, scabrous. *Branches* red. *H. K.* i. 319.—*Specimen* in Sir Jos. Banks's herbarium from Lee's nursery.

**ULMUS.** *Schoepf* 32.

- β *alba*. *Leaves* oblong, scabrous. *Branches* whitish. *H. K.* i. 320.—*Specimen* in Sir Jos. Banks's herbarium from Kew garden.

*U. procerior foliis angustioribus, truncis per intervalla viminibus dense congestis infra ramos obsito.*  
*Clayt. ap. Gronov. virg.* 39.

**CORTEX UNGUENTARIUS.** *Berg.* 189.  
*Schoepf* 33.

2. **ULMUS surculosa.** *Leaves* doubly serrate, ovate or elliptic. *Flowers* nearly sessile, conglomerate. *Roots* throwing up suckers. *Obs.* 3299. In hedge rows,

*U. campestris.* *Bot. arrang.* 258. *Asso n.* 228, in hedges.—*Smith brit.* 281. *Huds.* 109. *Lightf.* 151. *Woodv.* 540. *t.* 197. *Sibth. prodr. n.* 599. In hedges in Crete and throughout Greece.

*U. procera.* *Trag.* 1086. No fig.

*Ulmus.* *Bauh. J. i. b.* 139. (The fig. is *U. montana*.)

*U. I. II.* *Tab. ic.* 979.

*U. III.* *Tab. ic.* 980.

*Native* probably of some part of Europe, seminaturalised in Britain its seeds rarely if ever ripening.

**ULMUS.** *Inner Bark.* *Pharm. lond.*—*Berg.* 184. *Boerh.* 657. *Dale* 333. *Falconer, W.* in

- med. soc.* iii. 377. *Geoffr. suite* iii. 388. *Home, F. clin.* 407. *Lew.* ii. 475. *Linn.* 86. *Mill. Jos.* 459. *Monro* iii. 284. *Murr.* iv. 601; *J.* ii. 49. *Rutty* 551. *Vog.* 296.
- U. campestris.* *Pharm. edin.*—*Krock.* n. 380. *Lew. disp. by Dunc.* 320. *Pearson, R.* i. 234.
- Elm.* *Collingwood in med. comment. dec. II.* v. 281. *Darw.* ii. 274. 277. *Lind hot clim.* 314. *Whately ulcers* 105.
- Elm tree.* *Lettson dispensar.* 156.
- Common Elm.* *Lysons in med. trans.* ii. 203.
- Orme.* *Chom.* 618; *suppl.* 179.
- α latifolia.* Leaves scabrous,  $2\frac{1}{2}$  to  $3\frac{1}{4}$  inches long, ovali-elliptic. *Obs.* 6624. In a garden.
- U. campestris.* *Mill. Ph. dict. n.* 1, whose account *cop. in Evel. by Hunt.* i. 114. *Huds.* 109 *α. Bot. arrang.* 258 *β*
- U. campestris vulgaris.* *Hort. kew.* i. 319.
- The common Elm tree. *Evel. by Hunt.* i. t. at p. 114.
- The broad leaved Elm. *Le Pluche nat. delin.* ii. t. 6.
- U. campestris et Theophrasti.* *Vaill. paris.* 204. *Boerh.* ii. 220. *Rupp. ab Hall.* 330. Hedges and woods.
- Ulmus.* *Lob. obs.* 607, *repr. in ic.* ii. 189, &
- U. vulgatissima, folio lato scabro.* *Goodyer in Ger. by Johns.* 1480. *Raii hist.* 1427; *syn.* 468. In hedges; *cant.* 178.
- U. vulgaris.* *Park. theatr.* 1404.
- β argutifolia.* Leaves rhombico-elliptic, attenuate at the base, both margins inserted into the petiole nearly opposite each other; teeth acuminate, acute; scabrous above, villose underneath when dried as well as fresh, from 1 to  $2\frac{1}{4}$  inches long.

Stem erect, with branches throughout its whole length. *Obs.* 4790. At the Furnace Mill near North Wingfield Derbyshire.

*U. sativa.* *Mill. Ph. dict. n. 3*, whose account of it *cop. in Evel. by Hunt. i. 115?*

*U. attinia.* *Plin. l. 16. c. 17. p. 386.* Bears no fruit.

*U. campestris*  $\beta$  *Bot. arrang. 259.*

*U. minor folio angusto scabro.* *Vaill. paris. 205. Raii cat. 320; syn. 469*, who does not appear to have seen it.—*Goodyer in Ger. by Johns. 1481, repr. from*

*Ulmus.* *Dod. 825, & cop. in*

*U. minor.* *Park. theatr. 1404.*

$\gamma$  *glabra.* Leaves elliptico-ovate, cordate at the base, the anterior margin inserted sometimes 3 tenths of an inch below the posterior; not sensibly scabrous above, slightly scabrous, and along the costa villose underneath, from  $1\frac{1}{2}$  to  $3\frac{1}{4}$  inches long. *Obs.* 4466. Specimen gathered near Worcester in which county as also in those of Warwick and Stafford it is I believe the prevailing variety.

*U. campestris*  $\delta$  *Huds. 109. Bot. arrang. 259.*

*U. campestris glabra.* *H. K. i. 319.*

*U. glaber.* *Mill. Ph. dict. n. 2*, whose account of it *cop. in Evel. by Hunt. i. 116.*

*U. folio glabro.* *Vaill. paris. 205. Raii cat. 178; cat. 320; syn. 469. Goodyer in Ger. by Johns. 1481, cop. in Park. theatr. 1404.*

$\delta$  *parvifolia.* Leaves ovali-elliptic, slightly scabrous above, villose at the costa underneath, the upper half the longest. *Obs.* 6640. A young tree rising from suckers from some of a considerable height the remains of an avenue on the south-east side of Norton Hall Derbyshire.



*U. minor.* *Mill. Ph. dict. n. 6*, whose account of it cop. in *Evel. by Hunt. i. 116*,

*U. pumila*, foliis parvis, glabra, cortice fungoso. *Vaill. paris. 205*.

*Ulmus.* *Cam. epit. 70*.

3. *ULMUS montana.* Leaves doubly serrate, oval, acuminate; those of the young shoots obovate, acuminate at the end. Flowers sessile, conglomerate. Roots not throwing up suckers. *Obs. 2678*. Growing out of the cleft of a rock near the Giant's grave at Trimpey near Kidderminster in Worcestershire, in flower.—*Obs. 4468*. A young shoot in leaf.—*Bot. arrang. 259. Smith brit. 282*.

*U. campestris.* *L. succ. n. 226*, near houses and villages and in meadows, as far north as the province of Gestrícia, but scarcely to be found above the provinces of Helsing and Finland;—*sp. 327*, about the villages of Europe from Cadiz to Gestrícia;—*amoen. v. 187*, where he mentions its not throwing up suckers unless cut down for that express purpose.—*Specimen* in the Linnaean herbarium, the only specimen so named.—*Huds. 109 γ Fl. dan. t. 632*. Every where in Norway, in Denmark rather rare.

*U. effusa.* *Sibth. ox. 87. (Willd. berol. 94, & L. a Willd. i. 1325*, who describes the fruit as ciliate, and the flowers on long peduncles; & *Roth germ. i. pars ii. 301; pars iii. 576*, who describes the peduncles as half an inch long when in flower and when in fruit from an inch to an inch and a half long, is *U. longioribus florum & seminum petiolis. Rupp. ab Hall. 330.*)

*U. scabra.* Mill. *Ph. dict. n.* 2, whose account  
cop. in *Evel. by Hunt.* i. 115.

*U. campestris latifolia.* Hort. kew. i. 319.

*U. sylvestris.* Plin. l. 16. c. 17.

*U. lata.* Trug. 1086. t. 1087.

*U. folio latissimo scabro.* How 130. Woods and  
hedges.—Rupp. ab Hall. 330. Hedges and  
mountainous woods.—Raii cant. 178; hist. 1426;  
syn. 469. Vaill. paris. 205. Boerh. ii. 220.  
Goodyer in Ger. by Johns. 1481, repr. in.

*U. altera latifolia.* Lob. ic. ii. 189, which cop. in  
*Ulmus.* Bauh. J. i. b. 139, &

*U. latiore folio.* Park. theatr. 1404.

Leaves scabrous on both sides, the axillae of the  
costa and veins villose at the superior angle, in the  
more vigorous shoots from 4 to 6 inches long, the  
margins inserted into the petiole mostly opposite to  
each other, the upper half of the leaf somewhat  
longer than the lower. Petioles very short. Obs.  
4468.—Calyx quinquefid and sexfid. Stamina 5  
and 6. Obs. 2678.

Native of Italy, France, Germany, and Britain.  
In woods and hedgerows in Scotland, in hedgerows  
in England, and almost the only Elm found to the  
north of the plain in the south of Derbyshire.

*ULMUS montana.* Dale 333.

## 238. CELTIS.

Calyx quinquepartite and sexfid. Corolla none.

Drupe monospermous. From L. & L. a Schreb.

1. *CELTIS australis*. Leaves serrate, unequal at the base, ovato-lanceolate, acuminate, scabrous above, pubescent underneath. *From L. a Willd. iv. 993; sp. 1478. Willich obs. 7. n. 13. Hort. kew. iii. 437. Host 547. In Littorali Istria and Friuli.—Scop. carn. n. 1232. Gouan hort. 512. Near Montpellier;—monsp. 431. Asso n. 970. Mill. Ph. dict. n. 1.*

*Celtis. Royen 207. Dalib. 304.*  
*C. fructa nigricante. Vaill. paris. 31. Boerh. ii. 231.*

*Lotus, sive Celtis. Cam. epit. 155.*

*Lotus arbor, fructu cerasi. Bauh. J. i. a. 229.*

*Lotus. Dod. 834, repr. in*

*Lotus arbor. Ger. by Johns. 1493, and cop. in*

*Park. theatr. 1522, and abr. in parad. t. 569.*

*f. 5. Lob. adv. 439; obs. 605, repr. in ic. i.*

*186. Raii hist. 1483; europ. 170. About Rome*

*and Montpellier.—Magn. monsp. 167; hort.*

*c. 122.*

*Lotus Celtis. Dalech. 347.*

*CELTIS. Chir. rev. xviii. part ii. 47. Dale*

*307.*

2. *CELTIS orientalis*. Leaves serrulate, unequal at

the base, ovato-oblong, acuminate, scabrous above,

tomentose and hoary underneath. *From L. a*

*Willd. iv. 995; sp. 1478. Hort. kew. i. 437.*

*Salvifolia arbor orientalis, foliis tenuissime crenatis.*

*Pluk. alm. 329; phyt. t. 221, f. 4. Fruit soli-*

*tary, axillary.*

*Papyrus spuria. Kaempf. amoen. 474, t. 472. No*

*fructifications.*

*MALLAM-TODDALL. Rheede iv. 83, t. 40.*

*Fructifications paniculate.*

3. *CELTIS occidentalis*. Leaves serrate, unequal at the base, ovate, acuminate, scabrous above, hirsute underneath. *Obs.* 8690. Specimen from Prof. Jos. F. Jacquin.—*L. a Willd.* iv. 994; *sp.* 1478. *Mill. Ph. &ct.* n. 2. *Hort. kew.* iii. 437. *Marsh.* 29. Berries yellow.

*C. fructu obscure purpurascente.* *Mill. Ph. ic.* 59. t. 88.

*Celtis. Gron. virg.* 158, who speaks of fruit of 3 different colours.

*Lotus arbor virginiana, fructu rubro.* *Rau hist.* 1917.

*CELTIS occidentalis. Schoepf* 152.

4. *CELTIS aculeata*. Leaves cordato-ovate, obtuse at the end, slightly serrate, glabrous. Branches aculeate. *Swartz. ind. occid.* 545.

*Rhamnus igneus. L. sp.* 282.

*Jujube americana spinosa, loti arboris foliis et facie, fructu rotundo parvo dulci.* *Commel. hort.* i. 141. t. 73.

*RHAMNUS igneus, Jacq. amer.* 74; 8vo, 94.

## 239. HEUCHERA.

*Petals 5, Capsule birostrate, bilocular. L.*

1. *HEUCHERA americana. L. sp.* 328. *Hort. kew.* i. 320.

*Heuchera. Rayen* 437. *Gron. virg.* 39.

*Mitella americana, flore squallide purpureo villosa, Boerh. i.* 208.



*Cortusa americana*, flore squalide purpureo. *Herm. parad.* 131.

*Cortusa americana*, floribus herbidis. *Herm. parad.* t. 130.

*HEUCHERA americana*. *Bart. 8. Coxe* 372.

## 240. SWERTIA.

*Corolla* rotate; segments with nectariferous pores at the base. *Capsule* with 1 cell and 2 valves. *L.*

1. *SWERTIA difformis*. *Corolla* of the lateral flowers quinquefid, of the terminal flower sexfid. *Peduncles* very long. *Leaves* linear. *L. sp.* 328; *mant.* 348. *Gron. virg.* 40.

*Gentiana foliis linearibus acuminatis, pedunculis longissimis nudis unifloris oppositis.* *Gron. virg. ed. i.* 30.

*SWERTIA difformis.* *Schoepf* 33.

## 241. GENTIANA.

*Corolla* monopetalous. *Capsule* of 2 valves and 1 cell. *Seeds* connected to the sides of the valves or to the inner side of the inflected edges of the valves. *Obs.* 4461. 4460. *L.*

Divisible perhaps into 2 genera.

*GENTIANA.* *Capsule* unilocular. *Seeds* connected to the sides of the valves. *Style* none.

*G. campestris*, *Amarella*, *lutea*, *Pneumonanthe*, &c.

**ERYTHRAEA.** *Capsule* almost bilocular, from the inflected margins of the valves. *Seeds* connected to the inner side of the inflected margins of the valves. *Style.*

*G. Centaurium, filiformis.*

1. *Corolla quadrifid and quinquefid.*

1. **GENTIANA** *Amarella*. Corolla quinquefid and quadrifid, hypocrateriform; tube subcylindric; segments ovato-triangular, rather obtuse, setose at the base. Segments of the calyx nearly equal. *Obs.* 6016. On the hills about Matlock Bath Derbyshire, and always, as far as I have observed, in pastures on a calcareous soil, as remarked by *Smith brit.* 287; *engl. t.* 236. *L. succ. n.* 229; *sp.* 334. *Bot. arrang.* 262. *Fl. dan. t.* 328. *Walc. t.*

**GENTIANELLA** *autumnalis.* Dale 182.

*Gentianella, Berg.* 187. *Kræck, n.* 389. *Lin.* 87. *Veg.* 102 a

a *quinquefida.* Corolla quinquefid. *Obs.* 6016.

*Gentianellae* species quibusdam, an Cordo Pneumoniae, aut *G. fugax* altera Clusii. *Bauh, J.* iii. 526. f. 1. (The name and description belong to *G. floribunda* as evident from the flowers being described as  $1\frac{1}{2}$  inch long.)—*Raii hist.* 719.

*G. pratensis* flore lanuginoso. *Dill. ap. Raii syn.* 275.

*G. fugax* minor. *Raii syn. ed. ii.* 156.

*G. fugax* quarta. *Clus. pann.* 289. No fig.

*G. IX,* sive *G. fugax IV,* *Clus. hist. i.* 315. No fig.

*Gentianella fugax autumnalis elatior, centaurii minoris foliis.* *Raii syn.* 275, found by Eales near

Welling [Welwyn?] Hertfordshire, and by Dale at Belchamp S. Paul in Essex, seems to be the same plant in its more luxuriant state.

*Gentianellae autumnalis species major.* *Stonestreet ap. Raii syn. ed. i. 245.*

*Gentianella fugax verna, seu praecox.* *Raii syn. 275.* Found by Fitzroberts on the back side of Halse-fell-nab near Kendal, flowering from April to June, is conjectured by Dr. Smith to have been plants which had survived the winter. I have observed some plants flower sooner on mountains than in the plain, possibly from the same cause, as *Euphrasia officinalis*, which I have seen in blossom in May in great plenty, on Arthur's-seat near Edinburgh, though in plains it flowers from July to Sept.

*Root* brownish yellow, flexuose, not bitter. *Stem* and *stems* from 2 to 9 inches long, erect. *Corolla* in a cloudy day infundibuliform, pale dull purple, permanent; *setae* of the throat purplish white, stripping off with the antherae, setaceo-subulate, solitary, bipartite, and tripartite. *Style* none. *Stigmata* 2, ovate. *Capsule* unilocular, from 7 to 8 tenths of an inch long. *Seeds* globular, smooth, shining, fixed near the sutures in 4 lines. *Obs.* 6016.

♂ *quadrifida.* *Corolla* quadrifid. *Bot. arrang.* 262.

*G. campestris.* *Walc. t.*

*Gentianella purpurea minima.* *Barrel, t. 97. f. 2.*

*Hist. ox. iii. s. 12. t. 5. f. 9.*

2. *Corolla* quinquefid, rotate.

2. *GENTIANA lutea.* Calyces bursting on one side. Cymes verticillate. *Obs.* 7809. In Mr. Knowlton's garden. 10 July.—*L. succ. n. 227; sp. 329. Woodv. 433. t. 156, Hort. kew. i. 321,*

*Asclepias*. *Renealm.* 64. t. 63.

*G.* major. *Raii hist.* 716; *europ.* 130. On mountains about Geneva.—*Loh. obs.* 165, repr. in ic. i. 308, and *Ger. by Johns.* 432; cop. in *Park. theatr.* 402; *parad. t.* 251. f. 2; &

*G.* major, vulgaris, flore pallido. *Barrel. t.* 63, and repr. in

*Gentiana.* *Dod.* 340, and *Clus. hist.* i. 311. *Dalech.* 1258. *Cam. epit.* 415. *Fuchs.* 201. c. 74, abr. in *Trag.* 174, & cop. in

*G.* vulgaris major, ellebori albi folio. *Bauh. J.* iii. 520.

*G.* major lutea. *Hist. ox. s.* 12. t. 4. row 3. f. 1.

*G.* magna flore purpureo et albo. *Bauh. J.* iii. 521. (The name and description belong to *G. pannonica*.)

*Calyx* quadridentate; teeth subulate, unequal. *Corolla* rotate, quinquepartite, yellow, not dotted; segments lineari-ensiform, patent. *Germen* elliptico-fusiform, obsoletely tetragonous, with a projecting ring at the base; ring acute, angular, with 5 obsolete pores exuding a transparent nectar. *Stigmata* 2. *Obs.* 7809.

**GENTIANA.** *Gentian.* The root. *Pharm. lond.*—*Alst.* i. 449. *Bree* 284. *Cartheus.* ii. 321. *Clephane in med. obs.* i. 127. *Cull.* ii. 72; *clin.* 331; *pract. n.* 577. 1169. 1198. 1214. *Dale* 182. *Darw.* ii. 100. 102. 139. *Denm.* ii. 524. *For-dyce, G. fex.* ii. 83. 125. *Geoffr.* ii. 62. *Heberd.* 51. 189. 204. 240. *Herm.* 95. *Hill* 575. *Home, Everard in trans. improv.* i. 338. *Lew.* i. 460. *Lind hot clim.* 307. *Mead mon.* ii. 13. *Mill. Jos.* 211. *Monro* iii. 117; *sold.* ii. 35. *Murr. J.* ii. 61. *Ploucq. bibl.* i. 484. 519. *Quadrin animad.*



176. 292. *Rutty* 217. *Spielm.* 216. *Stoll med.* ii. 82. 88. *Sydenh.* 310. 628. *Underw.* i. 350. *Whytt nerv.* 335. *Wintringh. in Mead mon.* i. 251.
- G. lutea.* The root. *Pharm. edin.—Lew. disp.* by *Dunc.* 227. *Murr. J.* i. 188; ii. 31.
- G. rubra.* *Pharm. suec.—Berg.* 185. *Krock. n.* 381. *Linn.* 86. *Murr.* ii. 11. *Vog.* 197.
- Gentian.* *Blane* 411. 490. *Fowler, T. rheum.* 283. *Hunter jam.* 257. *Joffrion, account from in ann. med.* iv. 113. *Lind seam.* 17. *Monro, Don. sold.* ii. 186.
- Gentiane.* *Chom.* 197. 458; *suppl.* 139.

3. *Corolla quinquesfid, campanulate.*

3. *GENTIANA scandens.* Corollae campanulate, quinquesfid. Stem fruticose, climbing. From *Lour.* i. 213, who describes it as having 2 styles.
4. *GENTIANA purpurea.* Corollae sexfid and quinquesfid, campanulate, verticillate, sessile. Calyces truncate, dentate. From *L. a Murr.* 267; and *ap. L. lapp. a Smith n.* 96, on the alps of Norwegian Lapland;—*sp.* 329. *Fl. dan. t.* 50. *Andr. rep.* ii. t. 117. *Hort. kew.* i. 322. *Woodv.* iv. 132. t. 262. *Krock. n.* 382.
- G. major alia.* *Cam. epit.* 416, *imit. in*
- G. alpina major, flore aureo et purpureo obsoleto.* *Barrel. t.* 69.
- CURSUTA.* *Aikin in Lew.* i. 387. *Cull.* ii. 73. *Lew. disp. by Rother.* 152.
5. *GENTIANA pannonica.* Corollae quinquesfid and sexfid, verticillate. Sinuses of the calyx truncate. *Obs.* 8217. Specimen from Prof. Jos. F. Jac-

- quin. Possibly the same plant with *G. purpurea*.  
 —*Jacq. ap. L. a Murr.* 267; *austr.* ii. t. 196.  
*L. a Willd.* i. 1382, from *Froelich*.—*Scop. carn.*  
*n.* 297. *Hort* 132.  
*G. punctata.* *Jacq. obs.* ii. 17. t. 39. *Krock.* n.  
 388.  
*G. purpurea.* *Jacq. vind.* 40. 213.  
*G. major, flore purpureo.* *Clus. pam.* 278, repr. in  
*G. major, purpureo flore.* *Clus. hist.* i. 312, &  
*G. major purpurea.* *Ger. by Johns.* 432. *Hist.*  
*ox. s.* 12. t. 4. row 3. f. 3.  
**GENTIANA.** *Lew. disp. by Dunc.* 342.

4. Corolla quinquefid, hypocrateriform.

6. GENTIANA *Centaurium.* Leaves oblongo-ellip-  
 tic. Stem angular. Panicles dichotomous. Style  
 semibifid. *Obs.* 4454. In a field.—*L. succ.* n.  
 232; *sp.* 332. *Walc. t. Fl. dan. t.* 617. *Asso*  
*n.* 230.  
*Chironia Centaurium.* *Curt. lond.* iv. 22. t. 247.  
*Woodv.* 435. t. 157. *Bot. arrang.* 237. *Smith*  
*engl. t.* 417; *brit.* 257.  
*Centaurium minus flore purpureo.* *Bauh. J.* iii. b.  
 353, cop. from  
*Centaurium minus.* *Cam. epit.* 427; *hort.* 37.  
*Fuchs.* 387. fol. ed. which cop. in 382. c. 146,  
 and carelessly imit. in *Trag.* 140. *Raii hist.*  
 1093; *syn.* 286. *Boerh.* i. 223. *Tourn. paris.*  
 67. *Vaill. paris.* 31. *Dalech.* 1289. *Dod.* 334,  
 repr. in  
*Centaurium parvum.* *Lob. obs.* 218; *ic.* i. 401, &  
*Ger. by Johns.* 547, & cop. in  
*Centaurium minus vulgare.* *Park. theatr.* 272.  
*Euphorbia, Renealm.* 77. t. 76.

Differs from *Chironia* in having 2 stigmata. *Obs.* 4454.

**CENTAURIUM.** *Alst.* ii. 103.

*Centaurium minus.* *Berg.* 186. *Cartheus.* ii. 339.

*Chom.* 460. *Cull.* ii. 73. *Dale* 189. *Geoffr.* iii.

275. *Heberd.* 51. *Herm.* 526. *Hill* 354. *Krock.*

n. 388. *Lew.* i. 311. *Lind* hot clim. 311. *Linn.*

87. *Mead mon.* ii. 13. *Mill. Jos.* 126. *Monro*

iii. 54. *Murr.* ii. 18. *Quarin febr.* 82. 164. 183.

*Rutty* 109. *Schrod.* 559. *Sydenh.* 628. *Vog.*

57.

*Centaureum minus.* Lesser Centaury. The top.

*Pharm. lond.*—*Fordyce, G. sev.* ii. 83. *Spielm.*

205.

*Chironia Centaurium.* The flowering top. *Pharm.*

*edin.*—*Murr. J.* i. 190.

*Chironia Centaureum.* *Lew. disp. by Dunc.* 188.

*Centaureum.* *Joffrion, account from in ann. med.*

iv. 113.

*Centaury.* *Clephane in med. obs.* i. 127. *Rush* iii.

302.

Lesser Centaury. *Neum.* ii. 130.

#### 5. *Corolla octofid.*

#### 7. GENTIANA *Cruciata.* Corolla octofid; smaller

segments very short. Flowers verticillate, sessile.

*Obs.* 7884. Specimen gathered in Saville's gar-

den.—*L. sp.* 334. *Jacq. austr.* iv. 37. *t.* 372.

*Boerh.* i. 205. In Holland.—*Tourn. paris.* 453.

*Vaill. paris.* 78. *Hort. kew.* i. 324. *Raii europ.*

131. In Italy, Germany, and France.—*Clus.*

*pan.* 282. 283, repr. in *hist.* i. 313, cop. in *Park.*

*theatr.* 402, & repr. in

*G. minor, sive Cruciata.* *Lob. ic.* i. 309.

*G. minor* Crucata. *Lob. obs.* 166; *Ger. by Johns.* 433, &

Cruciata, sive *G. minor*. *Prod.* 341. *Dalech.* 1259.

Cruciata. *Fuchs.* 412. c. 160, imit. in *Trag.* 254, & cop. in

*G. minor*, seu vulgi Crucata. *Bauh. J.* iii. 522.

*Τρυφώλα. Rencalm.* 74. t. 73.

*G. minor.* *Cam. epit.* 417.

Nearly allied to *G. saponarifolia* in the stem leaves and situation of the flowers. *Leaves* elliptic. *Calyx* quadridentate. *Corolla* 6 times longer than the calyx, tubular, somewhat ventricose above; larger segments oval, acute; smaller segments triangular, bifid and trifid, acute. *Style* very short. *Stigmata* oblong, reflex. *Obs.* 7884.

*Native* of Italy, Switzerland, Germany, Holland, and France.

*GENTIANA cruciata.* *Dale* 182. *Krock. n.* 393. *Spielm.* 217.

*G. minor*, sive vulgi Crucata. *Vog.* 102.

6. *Corolla decemfid.*

8. *GENTIANA Pneumonanthe.* *Corolla decemfid.*

*Leaves* linear or lanceolate. *Lowermost* flowers on peduncles. *Obs.* 4458. Specimen from a root dug up by Mr. Ordoyno on Coddington moor near Newark in Nottinghamshire.—*L. succ. n.* 228; *sp.* 330. *Fl. dan. t.* 269. *Bot. arrang.* 261. *Smith engl. t.* 20; *brit.* 285. *Krock. n.* 385.

*G. palustris angustifolia.* *Raii syn.* 274, on moist heaths in Lincolnshire and Yorkshire;—*hist.* 719,



in moist meadows at the base of mountains near Lindaw in Germany.

*G. angustifolia autumnalis major.* *Tourn. paris.* 453. *Vaill. paris.* 78.

*Kuam. Renealm.* 69. t. 68.

*Pneumonanthe.* *Cord. fol.* 162. p. 2. *Lob. ic.* i. 309, repr. in *Gér. by Johns.* 438, on Nettleton moor Lincolnshire; cop. in *Park. theatr.* 406, & repr. in

*Campanula autumnalis.* *Dod.* 168, &

*Gentianae quarta species.* *Clus. hist.* i. 313.

*Pneumonanthe,* seu *G. autumnalis.* *Park. parad.* t. 351. f. 5.

*Gentianae species, Calathiana quibusdam, radlice perpetua, sive palustris.* *Bauh. J.* iii. b. 524. f. 1.

*G. minima.* *Cam. epit.* 418?

*Campanula pratensis.* *Dalech.* 824.

*Viola calathiana.* *Dalech.* 824.

(*Cruciata, sive G. minima.* *Dalech.* 1259 has nervose leaves.)

*Stem* 3 to 16 inches long, bitter. *Leaves* linear, and lanceolato-linear, acute and obtuse, not bitter. *Calyx* obpyramidal; tube truncate, membranaceous between the segments; segments subulato-linear, acute, distinct, as long as the limb. *Corolla* tubuloso-campanulate; tube with 3 lines below each of the larger segments; larger segments broadly triangular, acute, obsoletely erose; smaller segments triangular, acute, twice as short. *Antherae* coherent. *Stigmata* linear, adhering at length revolute. *Capsule* pedunculate, unilocular, bivalve. *Seeds* numerous, apparently inserted into the sides of the

capsule. *Obs.* 4458. *Obs.* 4456. Specimen from Prof. Jos. F. Jacquin.

*Native* of the continent of Europe: Dorsetshire Kent Middlesex Norfolk Nottinghamshire Lincolnshire Yorkshire Lancashire and Westmorland.

*PNEUMONANTHE.* Dale 182.

9. *GENTIANA saponarifolia.* Style none. Corolla decemfid; smaller segments very short. Flowers verticillate, sessile. *Obs.* 7883. In Mr. Knowlton's garden. 2 Oct.

*G. Saponaria.* *L. sp.* 330. *Hort. keto.* i. 323. *Bot. mag.* t. 1039.

*G. Catesbaei.* *Walt. carol.* 109. *Andr. repos.* vi. t. 418.

*G. corollis quinquefidis campanulatis ventricosis verticillatis, foliis trinerviis.* *Gron. virg.* 40.

*G. floribus ventricosis campanulatis erectis quinquefidis, foliis ovato-lanceolatis.* *Gron. virg. ed.* i. 29.

*Stems* terete, from 10 to 20 inches long, slightly curved, brittle. *Leaves* rather broader upwards. *Flowers* lateral and terminal, erect. *Calyx* very variable, quinquefid, semiquinquefid and quinquefid, mostly thrice as short as the corolla, sometimes as long as the corolla; segments triangular, ensiform, and sometimes like appendages ovato-elliptic recurvate and inserted without and below the margin of the limb. *Corolla* purplish mazarine blue, permanent, semidecemfid; smaller segments bifid and trifid. *Capsule* as long as the corolla, unilocular, bivalve. *Seeds* oval, tawny, inserted into the sides of the capsule. *Obs.* 7883.



*GENTIANA virginiana*, saponariae folio, flore caeruleo longiore. *Catesb. i. t. 70. Hist. ox. iii. 484. s. 12. t. 5. f. 4.*

10. *GENTIANA acaulis*. Style 1. Corolla decemfid, tubuloso-campanulate; longer than or as long as the stem; every other segment very short. Antherae united. *Obs. 4459. In a garden.—L. sp. 330. Hort. kew. i. 323. Curt. mag. t. 52. Jacq. austr. t. 135. Krock. n. 387.*

*G. V. Clus. pann. 284, repr. in Gentianella major verna. Clus. hist. i. 315, & Gentianella verna major. Ger. by Johns. 436, and cop. in*

*Gentianella alpina verna major. Park. theatr. 403.*

*G. alpina magno flore. Bauh. J. iii. 523. Boerh. i. 205.*

*Gentianella minima latifolia. Dalech. 828.*

*Ornamentis. Renealm. 70. t. 68.*

*Gentianella helvetia. Lob. ic. i. 310.*

*Gentianella campanulae flore purpureo helvetia. Lob. adv. 130.*

*Gentianella verna. Park. parad. 350. t. 351. f. 3.*

Corolla closing at night; the larger segments triangular, acute, crose at the margin. Capsule with 1 cell. Seeds inserted into the sides of the valves. *Obs. 4459.*

*Native of the Alps and Pyrenees.*

*GENTIANELLA verna. Dale 182.*

11. *GENTIANA verna*. Style 1. Corolla decemfid; every other segment very short, semibifid; lacinulae obtuse. Leaves oblong, rounded, those of the stem distant. Stem simple. *Obs. 7879. Spe-*

cimen from Prof. Jos. F. Jacquin.—*L. sp.* 331.  
*Curt. mag. t.* 491.

*G. foliis ovato-lanceolatis, caule unifloro.* *Hall. hist. n.* 644.

*Gentianella elegantissima bavarica.* *Cam. hort. t.* 15. *f.* 1, *cop. in*

*Gentianella minima bavarica Camerarii.* *Park. theatr.* 407,

*Gentianella autumnalis serpillifolia bavarica major.*  
*Barrel. t.* 101. *f.* the uppermost, &

*Gentianella alpina verna minor.* *Hist. ox. iii. s.* 12.  
*t.* 5. *f.* 9, the uppermost.

*G. VI. Clus. pann.* 287, *repr. in*

*G. VI. Gentianella minor verna.* *Clus. hist. i.* 315,  
*cop. in Park. theatr.* 403, &

*Gentianella, quae Hippion.* *Bauh. J. iii.* 527, *repr. in*

*Gentianella alpina verna Clusii, Cantabrica quorundam.* *Lob. ic. i.* 310, &

*Gentianella alpina verna.* *Ger. by Johns.* 436.  
*Dill. indic. pl. dub.* 3, *ap. Raii syn.* Found

by Heaton in the mountains betwixt Gort and Gal-  
loway in Ireland.

*Hernand. Renealm. 75. t.* 68.

*Gentianella minor verna caerulea, stellato flore.*  
*Barrel. t.* 109. *f.* 1.

*G. minor, flore caeruleo stellato et per oras crenato.*  
*Barrel. t.* 109. *f.* 2.

*Stem* ascending, leafy at the base, 5 inches long.  
*Leaves* crowded below, the lowermost spatulate, the  
rest oval and oblong; those of the stem in three  
distant pairs. *Calyx* 6 tenths of an inch long, quin-  
quesfid; segments ensiform, gradually attenuate, car-  
inate; carina winged; wings almost as broad as the

breadth of the segments, decurrent. *Corolla* an inch long, twice as long as the calyx; larger segments oblong, repandose at the margin; smaller segments bifido-emarginate, rather square; lacinulae rather square; angles rounded and acute. *Stigmata* semi-orbicular, erose. *Seeds* oval, acute, reticulate. Stem and foliage very similar to those of *Veronica serpyllifolia*. *Obs.* 7879.

*GENTIANA* bavarica. *Jacq. obs.* ii. t. 71.

## 242. ERYNGIUM.

*Calyx* pentaphyllous. *Receptacle* paleaceous. *Seeds* covered with scariose squamae. *Obs.* 4522. *L.*

### 1. *Palcae* simple.

1. *ERYNGIUM foetidum*. Radical leaves lanceolato-oblong, serrate; floral leaves trifid. Stem dichotomous. *Obs.* 8549. Specimen gathered by Dr. Wright in Jamaica.—*L. a Murr.* 270; *sp.* 336. *Hort. kew.* i. 325. *Swartz. obs.* 110.

*E. foliis gladiatis serrato-spinosis, floralibus multifidis.* *Gron. virg.* 40.

*E. foetidum, foliis inferioribus angustis serratis, superioribus laciniatis et aculeatis.* *Browne* 185.

*E. americanum foetidum.* *Herm. hort.* 236. t. 237.

*E. foliis angustis serratis, foetidum.* *Sloane cat.* 127; *hist.* i. 264, t. 156, f. 3. 4.

(Cohayelli. *Hernand.* 143, has medical virtues, but is a different species.)

*Leaves* dentato-serrate; teeth spinose; spines short, *Involutrum* multibracteate; bracteae, the fid, the rest lanceolate. *Obs.* 8549.

**ERYNGIUM foetidum. Linn. 87.**

2. **ERYNGIUM aquaticum.** Leaves ensiform, serrate, spinose. Floral leaves undivided. *L. a Murr.* 271; *sp.* 336; *mant.* 349. *Hort. kew.* i. 325. *Jacq. rar.* ii. t. 347; *coll.* i. 151.

*E. americanum*, yuccae folio, spinis ad oras molliusculis. *Pluk. alm.* 13; *phyt.* t. 175. f. 4, *cop. in*

*E. virginianum* yuccae folio, spinis raris tenellis et inutilibus. *Hist. ox. s. 7. t. 37. row 1. f. 21.*

*Ocopiaztl.* *Hernand.* 222, *cop. in*

*E. mexicanum*, foliis longis dentatis, scorpii spina. *Hist. ox. s. 7. row 1. t. 37. f. 22.*

**ERYNGIUM aquaticum. Bart. 21.**

3. **ERYNGIUM campestre.** Leaves pinnate; folioles pinnatifid; margin dentate; internodia cuneiform. Cauline leaves amplexicaul. *Obs.* 4523. Specimen gathered by M. Broussonet, probably near Montpellier.—*L. sp.* 337. 1678. *Bot. arrang.* 264. *Smith engl. t.* 57; *brit.* 289. *Jacq. austr.* ii. t. 155. *Fl. dan. t.* 554.

*E. foliis radicalibus pinnatim tripartito-divisis. Dalib.* 83.

*Eryngium. Cam. epit.* 447. *Fuchs.* 294. c. 113, *imit. in Trag.* 871, & *cop. in*

*E. vulgare. Bauh. J. ill. a.* 85. *Raii syn.* 222. who observed it near Plymouth, and received from Thornton a plant gathered on the side of the Watling street near Brookhall a village south-west of Daventry. Observed by Lawson on the shore called Friar-Goose near Newcastle in Northumberland.—*Tourn. paris.* 78. *Vaill. paris.* 51. *Boerh. i.* 134. Native of Holland.



*E. campestre.* *Dod.* 718, repr. in  
*E. campestre mediterraneum.* *Lob. ic.* ii. 22,  
*E. campestre vulgare.* *Clus. hist.* ii. 157, &  
*E. mediterraneum.* *Ger. by Johns.* 1162, and cop.  
 in

*E. mediterraneum sive campestre.* *Park. theatr.*  
 986.

*E. montanum.* *Dalech.* 1459.

*Native of Spain Italy Germany France Holland*  
*Devonshire Northamptonshire Durham and North-*  
*umberland, but in the English maritime places of*  
*growth it may have been imported with ballast.*

**ERYNGIUM.** *Pharm. austriaco-prov.* 37.—  
*Berg.* 188. *Geoffr.* iii. 440. *Herm.* 82. *Krock.*  
*n.* 394. *Linn.* 88. *Murr.* i. 206. 237. *Spielm.*  
 559. *Vog.* 129.

*E. vulgare.* *Chom.* 224. *Dale* 132.

## 2. *Paleae trifid.*

4. **ERYNGIUM** *maritimum.* Radical leaves round-  
 ish, plaited, spinose. Capitula pedunculate,  
 Paleae tricuspidate. *L. succ. n.* 233; *sp.* 337.  
*Fl. dan. t.* 875. *Bot. arrang.* 264. *Boerh. i.* 134.  
*Woodv.* 281. *t.* 102. *Smith brit.* 288.

*E. maritimum.* *Cam. epit.* 448. *Bauh. J.* iii. a. 86.  
*Raii syn.* 222. *Dalech.* 1459. *Dod.* 718, repr.  
 in *Clus. hist.* ii. 159, & *Ger. by Johns.* 1162,  
 cop. in *Park. theatr.* 986, & repr. in

*E. maritimum, Drypis Theophrasti quorundam.* *Lob.*  
*ic.* ii. 21.

**ERYNGIUM.** *Eryngo.* The root. *Pharm.*  
*lond.*—*Alst.* i. 372. *Bryant* 31. *Dale* 131. *Hill*  
 621. *Lew.* i. 418; *disp. by Rother.* 157. *Monro*  
 iii. 108.



*E. marinum.* Geoffr. iii. 443.

*E. maritimum.* The root. *Pharm. edin.*—*Lex. disp. by Dunc.* 221. *Murr.* i. 206. *Pearson, R.* ii. 178. *Rutty* 184.

## 243. HYDROCOTYLE.

*Fruit* orbicular. *Seeds* semiorbicular, united by their straight margins. *Obs.* 7849. *L.*

1. HYDROCOTYLE *umbellata.* Leaves peltate. Flowers umbellate. Peduncles longer than the flowers. *Obs.* 7850. Specimen gathered by Broughton in Jamaica.—*L. sp.* 338.

*H. umbellulata.* *Michaux* i. 161.

*H. foliis orbiculatis peltatis crenatis, umbellis multifloris.* *Browne* 185.

*Cotyledon aquatica.* *Sloane cat.* 93.

*ACARICOBA.* *Pis. bras.* 90, repr. in

*Erva do capitaon.* *Marcgr.* 27.

2. HYDROCOTYLE *ficarifolia.* Leaves reniform, repando-crenate. *Obs.* 7851. Specimen gathered by Broughton in Jamaica.

*H. asiatica.* *L. sp.* 338. *Hort. kew.* i. 327.

*H. ficaroides.* *Michaux* i. 161.

*H. reniformis.* *Walt.* 113.

*Valerianella zeylanica palustris repens, hederæ terrestris folio.* *Herm. parad.* 238. t.

*Codagen.* *Rheede x.* 91. t. 46.

*Ranunculo affinis, umbelliferis accedens, chelidonii minoris folio, zeylanica minor.* *Pluk. alm.* 314; t. 106. f. 5.

*Leaves* twice and thrice as long as the scapi.  
*Flowers* capitate. *Scapi* pilose. *Obs.* 7851.

*Native* of Asia, Africa, and America.

*PES EQUINUS.* *Rumph.* v. 455. t. 169. f. 1.

## 244. ASTRANTIA.

*Calyx* pentaphyllous; *phylla* subulate. *Fruit* costate; *costae* serrate. *Obs.* 1675. *Roth germ.* i. 118. *L.*

1. *ASTRANTIA major.* *Bracteae* of the involucre lanceolate. *Leaves* quinquepartite. *Calyces* aristate. *Obs.* 1675. In Mr. Ballard's garden. — *L. sp.* 339. *Hort. kew.* i. 328.

*Veratrum nigrum* Dioscoridis. *Dod.* 383, repr. in

*A. nigra.* *Lob. ic.* i. 681,

*A. nigra*, sive *Veratrum nigrum* Dioscoridis Dodonaei. *Ger. by Johns.* 978, &

*Veratrum nigrum* II. *Clus. pann.* 571, & cop. in *Helleborus niger* *saniculæ folio major.* *Park. theatr.* 213.

*Sanicula foemina.* *Fuehs.* 638. c. 261, cop. in

*Sanicula foemina* quibusdam, aliis *Elleborus niger.*

*Bauh. J.* iii. b. 638.

*ASTRANTIA major.* *Dale* 131. *Krock. n.* 403.

*Sanicula foemina.* *Geoffr. suite* ii. 368.

*Sanicula foemina* quibusdam, aliis *Helleborus niger.*

*Chom.* 567.

245. BUPLEURUM.

*Petals* entire. *Fruit* slightly compressed, striate.  
*Obs.* 4657. 6531. 6534. *Juss.* 225. *Roth germ.*  
*i.* 125. *L.*

1. *General involucre* none.

1. BUPLEURUM *perfoliatum*. Leaves perfoliate.  
*Obs.* 4657. Specimen gathered in a corn field near  
Worcester.

*B. rotundifolium.* *L.—Bot. arrang.* 267. *Smith.*  
*engl. t.* 99.

*B. perfoliatum, rotundifolium, annuum.* *Tourn.*  
*paris.* 404. *Vaill. paris.* 24. *Dill. ap. Raii syn.*  
221.

*Perfoliata vulgaris.* *Raii syn. ed. ii.* 115.

*Perfoliata simpliciter dicta, vulgaris, annua.* *Bauh.*  
*J. iii. b.* 198.

*Perfoliata.* *Cam. epit.* 888. *Moris. umb. t.* 8.  
*Fuchs.* 608, c. 243, *abr. in Trag.* 482, and *cop.*  
*in*

*Perfoliata Dodonaei.* *Dalech.* 1321.

*Perfoliata.* *Dod.* 104, *repr. in*

*Perfoliatum vulgatius, flore luteo, folio umbilicato.*  
*Lob. ic. i.* 396, &

*Perfoliata vulgaris.* *Ger. by Johns.* 536, & *cop. in*  
*Park. theatr.* 580.

*Perfoliata altera.* *Dalech.* 791.

*Perfoliata annua longioribus foliis.* *Bauh. J. iii. b.*  
198, seems to differ only in the shape of the lower  
leaves, as in the following specimen.

*Leaves* alternate, the 2 lowermost petiolate, the  
third lanceolato-oblong, barely perfoliate at the base,  
those above oblong and oval. Is not this the plant

described by J. Bauhine in the place last cited? *Obs.* 6544. Specimen gathered by Broughton in Britain.

**PERFOLIATA.** *Dale* 130. *Krock.* n. 400. *Linn.* 89. *Mill. Jos.* 337. *Murr.* i. 306. *Spielm.* 388. *Vog.* 134. 179.

*Perfoliata vulgaris.* *Geoffr. suite* i. 348.

*Perce-feuille.* *Chom.* 594.

2. *With a general and partial umbel. Stem herbaceous.*

2. **BUPLEURUM falcatum.** Leaves lanceolate. Involucra with from 2 to 5 bracteae. Involucella with 5 bracteae; bracteae lanceolate. Fruit oval, glabrous. *Obs.* 6525. Specimen gathered in the Paris garden, and in the north of France.—*Obs.* 6539. Specimen from Prof. Jos. F. Jacquin.—*L.—Hort. kew.* i. 330. *Jacq. austr.* ii. t. 158.

*B. folio subrotundo, sive vulgatissimum.* *Tourn. paris.* 404. *Vaill. paris.* 24.

*B. angustifolium.* *Tourn. paris.* 180. Lower leaves sometimes oval, and much broader, as in *Tragus's* figure.

*Herba vulneraria.* *Trag.* 431, repr. in

*Isophyllon.* *Cord. fol.* 108, p. 2, more nearly resembles my specimen of *B. rigidum*, but *Tournefort* speaks of it as an exact representation of the plant as it sometimes appears.

*Auricula leporis umbella lutea.* *Bauh. J.* iii. 200.

*Radical leaves* lanceolate. *Involucra* with 1, 2, and 3 bracteae; when 1 bractea subulate, and smaller than the involucella; when 3, lanceolate, and half as long again as the involucella. *Obs.* 6525.

**BUPLEURUM.** *Dale* 131.

*Bupleuron.* *Geoffr. suite* i. 346.

3. *With a general and partial umbel. Stem shrubby.*

3. **BUPLEURUM fruticosum.** Shrubby. Leaves elliptic and oblong. *Obs.* 6536. Specimen gathered in the Edinburgh garden.—*Obs.* 6537. Specimen gathered in the Paris garden.—*L.*—*H. K.* i. 331.

*Seseli aethiopicum frutex.* *Dod.* 310, repr. in *Ger. by Johns.* 1421, & cop. in

*Seseli aethiopicum fruticosum, folio periclymeni.* *Bauh. J.* iii. 197.

*Seseli aethiopicum frutex.* *Park. theatr.* 907.

**SESELI aethiopicum.** *Dale* 131.

## 246. ECHINOPHORA.

Marginal flowers barren, on peduncles; the central fertile, sessile. Seeds covered by the indurated involucrellum. *From Juss.* 225. *L.*

1. **ECHINOPHORA spinosa.** Folioles subulate, spinose. *From L. sp.* 344. *Huds.* 112. *Smith bñt.* 293, from specimens gathered in Italy.—*Bot. arrang.* 268. *Gouan hort.* 133. Near Montpellier.—*Sibth. prodr. n.* 626.

*E. foliolis subulato-spinosis integerrimis.* *Allionia.* 193.

*E. maritima spinosa.* *Dill. ap. Raii syn.* 220. *Bateman manuscript cat. of feversham quoted in Blackst. specim.* 18. On the sea beach in the way from Feversham to Sea Salter, in July and Aug.



*Crithmum* II. *Matth.* 490, *cop. in Matth. a Casp. Bauh.* 381. *Cam. epit.* 273.

*Pastinaca marina.* *Lob. adv.* 317. No fig. On the sea coast of the south of France.

*Crithmum spinosum.* *Raii hist.* 469. On the shores of the Mediterranean sea;—*syn. ed. i.* 72; *ed. ii.* 114; observed by Lawson at Roosbeck in Low Furness Lancashire.—*Dod.* 693, *repr. in Ger. by Johns.* 533, on the beach between Whitstable and the isle of Thanet, near Sandwich, and Chester; &

*Pastinaca marina.* *Lob. ic. i.* 710, & *cop. in*

*Crithmum maritimum spinosum, sive Pastinaca marina.* *Park. theatr.* 1286,

Prickly Sampire. *Petiv. herb. t.* 28. f. 6, &

*PASTINACA marina, quibusdam Secacul, et*

*Crithmum spinosum.* *Bauh. J.* iii. 196.

## 247. TORDYLIUM.

<sup>a</sup> *Fruit* bordered, orbicular; border elevated, crenate.  
*Obs.* 4969. *L.*

1. *TORDYLIUM officinale.* Involucella as long as the flowers. Folioles ovate, incise, crenate. Stem villose with deflex hairs. *From Smith brit.* 294, and *L. sp.* 345. *Gouan hort.* 134. Near Montpellier;—*monsp.* 284. *Sibth. prodr. n.* 630. *Mill. Ph. dict. n.* 2. What he says of the Oxfordshire plants probably from memory.—(*Bot. arrang.* 269, is *T. maximum*.)

*T. involucris partialibus longitudine petalorum; foliolis ovatis laciniatis.* *L. cliff.* 90; *ups.* 53. *Royen* 95.

*T. narbonense*, minus. *Boerh.* i. 68. (*Dill. ap. Raii syn.* 206, found by James Sherard on banks in the road to Heddington about half a mile from Oxford, is probably *T. maximum*.)

*Seseli creticum*, *Tordilion*. *Lob. adv.* 328. Corn fields round Narbonne in Languedoc.

*Tordilion*, *Seseli creticum*. *Lob. obs.* 425, repr. in

*Seseli creticum*. *Lob. ic.* i. 736, *Dod.* 311, &

*Seseli creticum minus*. *Ger. by Johns.* 1050, 'cop. in

*Caucalis minor pulchro semine, sive Bellonii*. *Bauh. J.* iii. b. 84. &

*T. Seseli creticum*. *Dalech.* 752, &

Small Hartwort. *Petiv. herb. t.* 24. f. 6, & abr. in

*Tordilion*, sive *Seseli creticum minus*. *Park. theatr.* 906. *Raii hist.* 412. About Messina in Sicily; (*syn. ed.* i. 63; *ed.* ii. 102, found by Doody about Thistleworth in Middlesex, is probably *T. maximum*.)

Native of Asia minor, Greece, Sicily, Italy, and the south of France.

*TORDYLIUM*. *Geoffr. suite* iii. 213, so far as relates to its use in food.

*Tordilion vulgare*. *Col. ecphr.* i. 122.

## 248. CAUCALIS.

Fruit hispid, oblong. *Calyx* quinquedentate. *Obs.* 675. *L.*

1. *Involucra* entire. *Leaves* simple.

1. *CAUCALIS marilandica*.—Male flowers on peduncles; hermaphrodite flowers sessile. *L.*

*Sanicula marilandica*. *L. sp.* 339. *Hort. kew.* i. 328. *Jacq. ic.* ii. t. 348.

*SANICULA*. *Schoepf* 34.

2. *CAUCALIS capitata*. Bristles of the fruit hooked at the end, glabrous. Flowers sessile. *Obs.* 5819. In woods.

*C. Sanicula*. *Roth* ii. 310.

*Sanicula europaea*. *L.—Bot. arrang.* 266, where erase my observation on the genus.—*Smith engl.* t. 98. *Fl. dan.* t. 283.

*Diapensia*. *Brunsf.* i. 80.

*Sanicula*. *Dod.* 140, repr. in

*Sanicula sive Diapensia*. *Ger. by Johns.* 948.

*Sideritis*. *Col. phytob.* 71. t. 72.

*Sanicula et Diapensia*. *Lob. ic.* i. 662.

Flowers male and hermaphrodite, mostly male, hermaphrodite flowers from 3 to 1, 1 or more in the center the others in the circumference. *Calyx* quinquepartite. *Nectarium* cupshaped. *Obs.* 5819. 4822.

*SANICULA*. *Alst.* ii. 218. *Berg.* 189. *Dale* 131. *Geoffr. suite* ii. 363. *Herm.* 561. *Krock.* n. 397. *Lew.* ii. 329. *Linn.* 88. *Mill. Jos.* 390. *Murr.* i. 207. *Rutty* 460. *Spielm.* 392. *Vog.* 80.

*Sanicula officinarum*. *Chom.* 566.

2. *Intolucra pinnatifid.* Leaves compound.

3. *CAUCALIS Carota*. Petioles nervose underneath. *Obs.* 32. In fields.—*Huds.* 114. *Roth germ.* i. 119. *Bot. arrang.* 273.

*Daucus Carota*. *L. succ. n.* 237; *sp.* 348. *Bot. arrang.* 274. *Smith brit.* 300. *Fl. dan.* t. 723. *Lour.* i. 222. *Woodv.* 443. t. 161. *Asso* n. 244.



*D. polygamus.* *Couan* ill. 9. *Jacq.* hort. iii. t. 78.

*Daucus vulgaris.* *Dill.* ap. *Raii* syn. 218. *Tourn.* paris. 17, 330. *Vaill.* paris. 46. *Bocrh.* i. 62.

*Carota.* *Cam.* epit. 509.

*Pastinaca sylvestris tenuifolia.* *Dod.* 668, repr. in *Ger.* by *Johns.* 1028;

*Pastinaca Dioscoridis.* *Lob.* obs. 416,

*Pastinaca genuina sylvestris.* *Lob.* ic. i. 722, and cop. in

*Pastinaca tenuifolia sativa lutea.* *Park.* theatr. 902.

(The name and description belong to γ) *Involu-*  
*cra* represented as entire.

*Pastinaca erratica.* *Fuchs.* 684, fol. ed. cop. in 649.  
ed. 12mo, c. 264, abr. in

*Pastinaca.* *Trag.* 440, & cop. in

*Pastinaca sylvestris, sive Staphylinus graecorum.*  
*Bauh. J.* iii. b. 62. *Raii* hist. 465; syn. ed. ii. 112.

*DAUCUS Carota.* Seed. *Pharm.* edin.—*Hermb-*  
*staedt*, account from in *phys. journ.* iv. 347.  
*Lew. disp.* by *Dunc.* 217. *Pearson, R.* i. 55.  
224. *Ploucq. bibl.* i. 688. *Spielm.* 53.

*Daucus sylvestris.* *Wild* Carrot. The seeds.  
*Pharm. lond.*—*Hill* 535. *Krock;* n. 406. *Lew.*  
i. 395. *Linn.* 89. *Monro* iii. 89. *Murr;* i. 209.  
*Schöepf* 34.

*Daucus vulgaris.* *Alst.* ii. 351. *Cartheus.* iii. 469.  
*Chôm.* 517. *Geoffr.* iii. 397. *Herm.* 292. *Spielm.*  
53.

*Daucus vulgaris seu nostras.* *Dalé* 129.

*Daucus nostras vulgaris.* *Mill. Jos.* 173.

*Pastinaca tenuifolia sylvestris, vel Daucus officina-*  
*rum.* *Rutty* 165.

Wild Carrot. *Undertw.* iii. 189; i. 358, in which last place I suspect we ought for wild Parsley to read wild Carrot.

β *alba.* Roots white. *In gardens.*

*Daucus seminibus hispidis.* *L. ups.* 59 γ

*Daucus sativus, radice alba.* *Boerh.* i. 62.

γ *lutea.* Roots yellow. *In gardens.*

*Daucus Carota.* *L. sp.* 348 β *Hort. kew.* i. 336 β

*Daucus seminibus hispidis.* *L. ups.* 59 β

*Daucus sativus, radice lutea et alba.* *Dill. ap. Raii syn.* 218.

*Daucus radice et umbella luteis.* *Boerh.* i. 62.

*Pastinaca sativa tenuifolia.* *Raii hist.* 465; *syn. ed.* ii. 112.

*Pastinaca sativa Dioscoridis.* *Lob. obs.* 416; *repr. in ic.* i. 723; & *cop. in*

*Pastinaca tenuifolia sylvestris.* *Park. theatr.* 902.

(The name and description belong to α)

*DAUCUS sativus.* *Berg.* 190. *Blane* 303. *Dale* 129. *Gibson in med. obs.* iv. 178. *Krock. n.* 406. *Linn.* 180. *Monro* iii. 87. *Murr.* i. 209. *Schoepf* 34. *Vog.* 177.

*Daucus Carota.* *Bryant* 30.

*Pastinaca tenuifolia sylvestris, vel Daucus officinarum.* *Rutty* 165.

*Daucus.* *Pharm. succ.*

*Daucus vulgaris.* *Spielm.* 53.

*Daucus hortensis.* *Heberd.* 251.

*Pastinaca tenuifolia sativa, radice lutea vel alba.* *Chom.* 519.

*Carrot.* *Blizard, account from in med. rev.* i. 331.

*Darw.* ii. 277. *Lind seam.* 20. *Home, Everard, in trans. improv.* i. 334, and account from in *ann. med.* iii. 56. *Undertw.* ii. 64.



♂ *rubens*. Roots reddish orange-coloured. In gardens.

*Daucus Carota*. *L. sp.* 348 γ *Hort. kew.* i. 336 β

*Daucus seminibus hispidis*. *L. ups.* 59 δ

*Daucus sativus radice atro-rubente*. *Dill. ap. Raii syn.* 218. *Boerh.* i. 62.

*Daucus sativus, radice aurantii coloris*. *Boerh.* i. 62.

*Pastinaca sativa atro-rubens*. *Raii syn. ed.* ii. 112.

*Lob. obs.* 417, repr. in *ic.* i. 723, & cop. in

*Pastinaca sativa altera tenuifolia atro-rubens*. *Park. theatr.* 901.

*DAUCUS sativus*. See γ

4. *CAUCALIS sonchifolia*. *Forsk. p.* xcix.

## 249. ARTEDIA.

Fruit orbicular, with a deeply crenate border. From *L. & Juss.*

1. *ARTEDIA squamata*. *L. sp.* 347. *Hort. kew.* i. 335.

*Thapsia orientalis, anethi folio, semine eleganter crenato*. *Boerh.* i. 60.

*Gingidium*. *Dalech. append.* 34. *Cam. hort.* 67. t. 16, cop. in

*Anetho similis planta, semine lato laciniato*. *Bauh. J. iii. b.* 7. *Raii hist.* 416.

*GINGIDIUM*. *Dale* 117, probably in the belief that it was the plant so called by *Dioscorides*.

## 250. AMMI.

*Fruit striate. Corolla radiate. Petals emarginate.*  
*From L.*

1. AMMI *majus*. Lower leaves pinnate; folioles lanceolate, serrate; upper leaves multifid; segments linear. *L. sp.* 349. *Hort. kew.* i. 337. *Tourn. paris.* 315. *Vaill. paris.* 11. *Boerh.* i. 56.  
*Ammi. Fuchs.* 67. c. 21, *cop. in Trag.* 874, which *repr. in Cord. fol.* 127. p. 1; *cop. in A. Fuchsii. Dalech.* 695, &  
*A. vulgare majus, latioribus foliis, semine minus odorato. Bauh. J.* iii. b. 27.  
*A. vulgare. Dod.* 299, *repr. in Ger. by Johns.* 1037, &  
*A. vulgatus. Lob. ic.* i. 721, and *cop. in Park. theatr.* 912.  
*AMMI majus. Chom.* 514. *Herm.* 268. *Lew.* i. 69.  
*A. verum. Schrod.* 531.  
*A. vulgare. Alst.* ii. 322. *Cartheus.* iii. 476. *Dale* 127. *Mill. Jos.* 29. *Murr.* i. 261. *Rutty* 22. *Spielm.* 237.
2. AMMI *daucifolium*. Leaves supradecompound. Folioles tripartito-pinnatifid, acute. *L. a Willd.* i. 1393, from a specimen in the herbarium of Gundelsheimer, to which was affixed the synonym of Tournefort given by Linn. and Boerh.—*Scop. carn. n.* 342. t. 10.  
*Crithmum pyrenaicum. L. sp.* 354; *mant.* 354.  
*Apium pyrenaicum thapsiae facie. Boerh.* i. 58.  
*Seseli pyrenaicum thapsiae facie. Tourn. hort.* 161.

(A. majus exoticum foliis per ambitum eleganter incis. *Phak. phyt. t. 11. f. 1*, has setaceous bracteae.)

*APIUM* pyrenaicum, thapsiae facie. *Chom. 64.*

*Dale 126.*

251. BUNIUM.

*Fruit ovate. Corolla uniform. Umbel crowded.*  
*L.*

1. *BUNIUM aromaticum.* Involucella of 2 and 3 bracteae. *From L. mant. 218.*

*Amми* odore origani. *Bauh. J. iii. 25.*

*Amми* creticum aromaticum. *Lob. ic. i. 724, repr. in*

*Amми* creticum. *Ger. by Johns. 1036; & cop. in Park. theatr. 912.*

*Amми* Matthioli. *Dalech. 695.*

*AMMI* verum. *Alst. ii. 323. Dale 128. Lew. i. 68. Mill. Jos. 30.*

*Amми* minus. *Herm. 268.*

252. CONIUM.

*Involucella* on the outer side of the umbellulae, mostly of 3 bracteae. *Fruit* nearly globular, quinquesulcate on each side; angles crenate. *Obs. 11. L.*

1. *CONIUM maculatum.* Seeds striate. *L. succ. n. 238; sp. 349. Bot. arrang. 277. Curt. lond. i. 17. t, & Woodv. i. 62. t. 22, have seeds represented as ciliate.—Jacq. austr. ii. t. 156. Huds,*

115. *Lightf.* 157. *Storck suppl. t. repr. in Spallowsky l. t. & cop. in gent. mag. xxxii. 273. t. Smith engl. t. 1191.*

*Cicuta domestica.* *Moris. umb. t. 18. c. b.*

*Cicuta vulgaris major.* *Moris. umb. t. 6. Park. theatr. 933, cop. from*

*Cicutaria vulgaris.* *Clus. hist. ii. 200, which repr. in*

*Cicuta.* *Dod. 458, Lob. obs. 422; ic. i. 732, and Ger. by Johns. 1061. Cam. epit. 839. Dalech. 788. Rati hist. 451; syn. 215. Fuchs. 399, c. 155, cop. in Bauh. J. iii. b. 176. Pulteney in gent. mag. xxv. 29. Trag. 474, repr. in*

*Cicuta major.* *Cord. fol. 162. p. 1. Boerh. i. 56.*

**CICUTA.** *Herb. Flowers. Seeds. Pharm. lond. —Adair in med. comment. ix. 213. Aitken midw.*

118. *Allothophilorum quorundam Viennensium elucidatio. Alst. ii. 113. Bang in act. haun. i.*

4. 10. 11. 21. 96. *Burns, account from in chir. rev. viii. 214. Clerk in phys. ess. iii. 435. 450.*

*Collin obs. i. 105, and account from in med. comment. iv. 291. Cull. ii. 263; clin. 241. 293.*

*Dale 127. Darw. ii. 682. Davidson in med. comment. dec. II. v. 397. Denm. i. 74. Douglas in*

*med. obs. v. 113. Duncan cases 113; and in med. comment. i. 327. Farr in med. obs. iv. 104.*

*Fordyce, G. pract. 209; W. fragm. 38. Geoffr. iii. 324. Haen, and transl. in med. mus. iii. 435.*

*Hayes in med. obs. iii. 121. Heberd. 6. 90. 95. 132. 249. 337. 366. 415. Hooper in med. soc. ii.*

328. *Hufeland, account from in med. rev. ii. 453. phlegmat. 333. Hunter, J. ven. 108. 175.*

47. 284. 285. *Jackson, Rob. fec. 316. nglake in phys. journ. v. 438. Krock.*

*Lata, account from in chir. rev. i. 366.*

*Le Comte*, account from in *phys. journ.* ii. 169.  
*Lew.* i. 333. *Lind* *hot. clim.* 307. *Mangor* in  
*act. med. haun.* ii. 224. *Mann*, account of his  
case in *med. journ.* ii. 410; v. 86. *Mill. Jos.*  
188. *Monro* iii. 61. *Murr.* i. 213. *Nicolson* in  
*med. obs.* iv. 361. *Pearson, J.* account from in  
*ann. med. lustr. II.* i. 270. *Pemberton*, account  
from in *chir. rev.* xiii. 17. *Quarin animad.* 120.  
283. 305. 308; *febr.* 164. 243. 324. 428. 431.  
*Ranoe* in *act. haun.* i. 338. *Razoux*, account  
from in *med. journ.* ii. 293. *Rosenst.* 59. *Rutty*  
124; in *med. obs.* iii. 229. *Schonheyder* in *act.*  
*haun.* i. 169. *Spielm.* 508. *Stoll med.* ii. 183.  
*Storck colchic.* 75; *nov. medicam.* 1. *Townshend*  
*trav.* iii. 284. *Underw.* i. 51. 214. 318. 323—  
325. 331; ii. 48. *Watson* in *med. mus.* ii. 165.  
*Whytt nerv.* 284. 434. *Willan lond.* 326.

*Conium. Pharm. suec.—Berg.* 193. *Linn.* 90.  
*Schoepf* 34. *Ploucq. bibl.* i. 134. 216. 453.  
*Whitlam* in *phys. journ.* xiv. 125.

*C. maculatum.* Leaves. Seed. *Pharm. edin.—*  
*Home, Everard*, account from in *ann. med.* iii.  
66. *Lew. disp. by Dunc.* 204. *Murr. J.* i. 129;  
ii. 21. *Pearson, R.* ii. 214. 234. *Quarin ani-*  
*mad.* 243. 247.

*Cicuta major.* *Chom.* 780; *suppl.* 208.

*Hemlock.* *Adair* in *med. comment. dec. II.* vii.  
475. *Blizard*, account from in *med. rev.* i. 331.  
*Bree* 261. *Brera*, account from in *med. rev.* i.  
580. *Butler*, account from in *med. comment.* i.  
393; and *med. rev.* i. 539. *Colebrook*, account  
from in *med. mus.* iii. 568. *Cull. pract. n.* 1424.  
1736. 1756. *Denm.* i. 176. *Fothergill, J.* in  
*med. obs.* iii. 400; v. 135. *Hamilton, Rob. of*



*Yarmouth in med. journ.* iv. 174. *Hill surg.* 49.  
*Home, Everard, account from in ann. med.* iii.  
 55. *Hufeland, account from in med. rev.* ii. 457.  
*Mann, case of in phys. journ.* xi. 225. *Med.*  
*mus.* i. 174. *Mossman, account from in chir. rev.*  
 vii. 523; and *med. rev.* iii. 231. *Petiv. in phil.*  
*trans. abr. by Lowth.* ii. 641; by *Hutt.* iv. 184.  
*Storck, account from in gent. mag.* xxx. 426;  
 xxxi. 624. *Valentin, account from in phys.*  
*journ.* xi. 343. *Whately ulcers* 76. 99. *Willan*  
*lond.* 180.  
*Cigue. Leber account from in med. mus.* ii. 548.

## 253. SELINUM.

*Seeds* flat, bordered, with 3 ridges in the middle.  
*Petals* emarginate. *Corollae* equal. *Obs.* 5033.  
*L.*

1. SELINUM *Imperatoria*. Leaves ternate; folioles tripartite. *Obs.* 7533. In a garden.—*Roth germ.* i. 133, in groves in Saxony;—ii. 357, *Crantz*.  
*Imperatoria Ostruthium*, *L. sp.* 371; *ups.* 65. *Lightf.* 168. On the banks of the Clyde, and in the isle of Bute, but whether indigenous uncertain.—*Scop. carn. n.* 328. *Bot. arrang.* 308. *Smith brit.* 327; *engl. t.* 1380, from a garden.—*Woodv.* i. 102. *t.* 35.  
*Imperatoria major*. *Scheuch. J. Jac. it.* ii. 63. *n.* 50. *Garid. t.* 55.  
*Astrantia*. *Dod.* 317, repr. in *Clus. hist.* ii. 194.  
*Imperatoria, Ostrutium, sive Astrantia*, *Lob. obs.* 398,  
*Imperatoria, Ostrutium. Lob. ic. i.* 700, &

*Imperatoria*. *Ger. by Johns*. 1001. *Raii hist.* 436; *europ.* 154. On the Alps near the Grand Char-treusc.—*Bauh. J.* iii. b. 137, cop. from

*Laserpitium germanicum*. *Fuchs*. 722. c. 292, which imit. in

*Smyrnion*. *Trag.* 433.

*Magistrantia*. *Cam. epit.* 592.

*Imperatoria*, sive *Astrantia vulgaris*. *Park. theatr.* 942.

*Imperatoria*, sive *Astrantia alpina*. *Park. theatr.* 942, abr. but with the addition of a flower and of fruit, in

*Imperatoria alpina*. *Bauh. J.* iii. b. 139, is re-garded by Ray as differing merely in size.

*Leaves* ternate; middle foliole trifid and tripar-tite; lateral folioles bifid, bipartite, and tripartite. *Umbels* flat. *Flowers* fertile. *Involucrum* decidu-ous; *bractea* 1, subulate, short, *Involucella* perman-ent, on the outer side; *bracteae* 1 to 3, setaceo-su-bulate. *Fruit* lenticular. *Seeds* with 3 ridges in the middle. *Petals* inflexo-emarginate, equal. *Obs.* 7533.

*Native* of the Alps, of Auvergne, and possibly of Saxony.

**IMPERATORIA.** *Pharm. austriaco-prov.* 42. *succ.*—*Alst.* i. 466. *Berg.* 220. *Cartheus.* iii. 75. *Dale* 122. *Geoffr.* ii. 87. *Herm.* 20. *Hill* 636. *Krock. n.* 456. *Lew.* ii. 7; *disp. by Dunc.* 343. *Linn.* 97. *Murr.* i. 254. *Neum.* ii. 173. *Ploucq. bibl.* i. 484. *Quarin animad.* 17. *Rutty* 248. *Schoepf* 37. *Spielm.* 535. *Vog.* 200.

*Imperatoria major*. *Chom.* 285; *suppl.* 95.

2. **SELINUM** *spinulifolia*. Calyx with short teeth. *Leaves* bipinnate; folioles ovate, angular, incise

and serrate; teeth spinose at the end. *Obs.* 4664.  
Specimen from Prof. Jos. F. Jacquin.

*S. Cervaria.* *Scop. carn. n.* 331. *Roth germ. i.* 132; *ii.* 354. *Crantz austr. iii.* 167. *t. 3. f. 1.*  
*Host* 147.

*S. foliis radicalibus ovatis inaequaliter serratis. L.*  
*ups.* 59. *Kram.* 72.

*Athamanta Cervaria. L. sp.* 352, where folioles means the primary divisions of the petiole, as in the descriptions of frondes.—*Jacq. austr. i. t.* 69; *vind.* 47. *Hort. kew. i.* 339. *Krock. n.* 413. *Pollich n.* 278. *Willd. berol. n.* 323. *Gouan monsp.* 287. *Asso n.* 250.

*Cervaria Rivini. Rupp. ab Hall.* 274.

*Oreoselinum apii folio majus. Tourn. paris.* 510.  
*Vaill. paris.* 154. *Magn. hort.* 149.

*Daucum alterum. Cam. epit.* 537.

*Daucus montanus apii folio major. Magn. monsp.* 85.

*Dauci tertium genus. Fuchs.* 232. c. 85, *cop. in Libanotis II Dodonaei, Daucus III Fuchsii. Dalech.* 764, &

*Libanotis altera quorundam, aliis dicta Cervaria nigra. Bauh. J. iii.* 165. *Raii hist.* 413.

*Daucus secundus selinoides. Lob. adv.* 321; *obs.* 414, *repr. in ic. i.* 720,

*Seseli pannonicum II. Clus. pann.* 692,

*Seseli II, montanum pannonicum. Clus. hist. ii.* 193, &

*Libanotis Theophrasti nigra. Ger. by Johns.* 1010, *and cop. in*

*Daucus selinoides major. Park. theatr.* 897, &

*Seseli 2. Bauh. J. iii. b.* 167.

*Saxifragia venetorum. Lob. adv.* 323. No fig.—



*Rai europ.* 227. Mountainous pastures and vineyards near the Rhine, and on hills near Geneva.

*Folioles* acute. *Germen* glabrous. *Obs.* 4664.

*Native* of Spain, France, Switzerland, and Germany.

*OREOSELINUM*, sive *Apium montanum*. *Geoffr.* suite i. 271.

*Gentiana nigra*. *Dale* 116.

3. *SELINUM laevicaule*. Stems smooth. Styles erect.  
*From*

*S. sylvestre*. *L. fl. suppl.* 180; *L. a Murr.* 278; *mant.* 353; *sp.* 350; *a Willd.* i. 1396; and *Roth germ.* ii. 352.

*S. radice fusiformi*, (misprinted *filiformi*,) *multiplici*.  
*L. ups.* 59. *Royen* 106.

*Thysselium*. *Rupp. ab Hall.* 276.

(*Thysselium Plinii*. *Lob. obs.* 409, *repr. in ic.* i. 711, has no involucre, agreeing with *S. palustre* of Krock. n. 410, and Crantz austr. iii. 172. t. 4. f. 1.)

*THYSSELINUM*. *Vog.* 228.

*Oelnizium*. *Dale* 116.

4. *SELINUM palustre*. Stem sulcate. Involucre of several bracteae, permanent. Styles after flowering divaricate. Petals involute at the end. *Obs.* 5033. 5034. Specimens gathered in the nursery of Messrs. Brunton and Hunter growing on the side of a pool, from a root dug up by Mr. Hall on the side of Ayside Tarn near Cartmell Lancashire.—*L. suec.* n. 239; *sp.* 350; *mant.* 353; *a Murr.* 278. *Scop. carn.* n. 332. *Jacq. vind.* 49. *Huds.* 115. Near Doncaster.—*Bot. arrang.* 281. *Fl. dan.* t. 257. *Smith engl.* t. 229; *brit.* 303.

*Retz. scand. n. 332. Roth germ. ii. 353. Pollich n. 276. Asso n. 248. (Krock. n. 410, is described as having no involucre.)*

*S. sylvestre. Jacq. austr. ii. 33. t. 152. Host 145.*

*Selinum. L. lapp. n. 100.*

*S. palustre levissime lactescens. Royen 106.*

*Apium sylvestre lacteo succo turgens. Raii hist. 413.*

*Seseli palustre. Cam. hort. 159. Near Nuremberg.*

*Seseli palustre lactescens acris, foliis ferulaceis, flore albo, semine lato. Bauh. J. iii. b. 188, and Raii hist. 411, from Cam.*

*Apium sylvestre, sive Thysselinum. Dod. 687, repr. in Ger. by Johns. 1020, & abr. in*

*Thysselinum, sive Apium sylvestre. Park. theatr. 928, &*

*Thysselinum. Hist. ox. iii. 317. s. 9. t. 17. f. 2.*

*Apium silvestre Dodonaci, Thysselinum quorundam, planta lacteo succo turgens, locis humidis proveniens. Bauh. J. iii. b. 188. (The fig. is that of a different plant.)*

*Apium silvestre Dodonaci. Dalech. 701, may be the plant.*

*Seseli palustre lactescens. Bauh. prodr. 85, cop. in Park. theatr, 904.*

*(S. foliolis et lacinulis oblongo-linearibus. Guett. ii. 70, is said to have folioles obtuse at the end.)*

*Calyx, teeth shorter than the nectarium. Petals ovate, apparently obcordate from the involute points.*

*Obs. 5049. Gathered by Mr. Williams in the Car a morass near Doncaster.—Leaves microscopically serrate at the margin; folioles lineari-lanceolate, acute; terminal folioles twice and thrice as long as the lateral ones; serratures aculeate. Radii of the*



umbels and umbellulae scabrous on the inner side; mucrones short; horizontal. *Seeds* oval, plano-convex, with 4 striae on the convex side. *Obs.* 5033.

*Native* of Europe from Spain to Lapland, and of Yorkshire, Lancashire, Cambridgeshire, and Norfolk.

*THYSSELINUM.* Boerh. 109. Geoffr. suite iii. 193.

## 254. ATHAMANTA.

*Seeds* ovato-oblong, villose. *Petals* emarginate. *Corollae* equal. *Obs.* 4660. *Roth germ.* i. 121. *L.*

1. *ATHAMANTA Libanotis.* Phylla subulate. Leaves pinnate and bipinnate. Umbels hemispheric. *Obs.* 7671. Specimen gathered in the garden of Saville, who received the root from Mr. Relhan.

*a patula.* Fruit hirsute. Branches erecto-patulous. *Obs.* 7671.

*A. Libanotis.* *L. suec. n.* 240; *sp.* 351. *Huds. ed. i.* *Relh. n.* 218. *t. at p.* 113. In the chalk pit close at Hinton in Cambridgeshire. Umbellulae and flowers not sufficiently close.—*Jacq. austr.* iv. *t.* 392. 392\*. *Smith engl. t.* 138, hairs of the germen omitted;—*brit.* 304. *Hort. kew.* i. 339 *a.* *Fl. dan. t.* 754, the reduced figure ill done.—*Bot. arrang.* 283.

*A. Orcoselinum.* *Huds.* 115. Gogmagog hills Cambridgeshire, and between Saint Albans and Stoney Stratford.—*Bot arrang.* 283.

*Daucus montanus pimpinellæ saxifragæ hircinæ folio nostras dubriensis.* *Pluk. phyt. t.* 173. *f.* 1. Near Dover.

*Apium petræum sive montanum album.* *Bauh. J.* iii. b. 105. *Raii syn.* 218. Gogmagog hills Cambridgeshire.

*Apium montanum Dalechampii.* *Dalech.* 702, *cop.* in *Bauh. J.* iii. b. 103.

*Daucus montanus apii folio minor flore luteo.* *Bauh. Casp. pin.* 150; *prodr.* 77.

(*Libanotis apii folio minor.* *Bauh. Casp. pin.* 157 referred to in *L. suec.* and *sp.* the name in both works incorrectly written, is according to *Lob. obs.* 402. f. 3, to which Bauhine refers, a plant with folioles merely serrate.)

*Folioles pinnatifid.* *Obs.* 4660. Specimen from Prof. Jos. F. Jacquin compared with others gathered in the garden of Sole in 1781, and received from M. Broussonett, and with those in Sir Jos. Banks's herbarium from Sweden and Switzerland.

*ATHAMANTA Libanotis.* *Krock. n.* 412.

2. *ATHAMANTA divaricifolia.* Calyx with short teeth. Branches of the petioles divaricate. *Obs.* 4663. Specimen from Prof. Jos. F. Jacquin.

*A. Oreoselinum.* *L. suec. n.* 241; *sp.* 352, *Jacq: austr. t.* 68. *Hort. kew.* i. 340.

*Selinum foliolis acutis acute serratis et incis.* *Guett.* ii. 70.

*Oreoselinum apii folio minus.* *Tourn. paris.* 216. *Vaill. paris.* 154. *Boerh.* i. 68.

*Oreoselinum.* *Clus. pann.* 695, *repr. in hist.* ii. 195, *Ger. by Johns.* 1015,

*Oreoselinum, sive Veeltgutta.* *Dod.* 684, &  
*Oreoselinum, sive Petroselinum.* *Lob. ic.* i. 707, & *cop. in*

*Apium montanum vulgatius.* *Park. theatr.* 927.

*Apium montanum nigrum.* *Bauh. J.* iii. b. 104.

In Switzerland, the Grisons, Alsace, Lyonnais, and Franche Comte.

*Leaves* tripinnate. *Calyx* glabrous; teeth ovate, acute. *Obs.* 4663.

Native of Switzerland, France, Germany, and Sweden.

*OREOSELINUM.* Dale 116. *Krock. n.* 414.

*Murr.* i. 236. *Vog.* 111.

*Oreoselinum*, sive *Apium montanum minus.* *Geoffr.* suite i. 273.

3. *ATHAMANTA alpina.* Folioles pinnatifid; segments lineari-lanceolate. Seeds oblong, hirsute. *Obs.* 7708. Specimen from Prof. Jos. F. Jacquin.

*A. cretensis.* *L. sp.* 352. 1679; *a Murr.* 279. (The synonyms of *L. cliff.* and *Royen* and the second synonym from *Casp. Bauh.* belong probably to *A. annua.*)—*Jacq. austr. t.* 62, perennial.—*Krock. n.* 416. *Host* 148, who says it is perennial.—*Gouan hort.* 138, near Montpellier; *monsp.* 287.

*Libanotis cretensis.* *Scop. carn. n.* 314.

*A. foliolis multipartitis, laciniis linearibus teretiusculis acuminatis.* *Royen* 98.

*Libanotis foliis hirsutis triplicato-pinnatis, lobulis profundissime bipartitis.* *Hall. hist. n.* 745.

*Daucus alpinus*, multifido longoque folio, sive *montanus umbella candida.* *Scheuch. J. Jac. itin.* i. 29.

*Daucus creticus.* *Clus. pann.* 700; *hist.* ii. 198. No fig.—*Hall. opusc.* 241. *Cam. epit.* 536, cop. in

*Myrrhis annua*, semine villosa brevior. *Hist. ox.* s. 9. t. 10. row 2. f. 9,



*Daucus alpinus*, cretico similis. *Park. theat.* 896,  
and

*Daucus creticus*, semine hirsuto. *Bauh. J.* iii. b.  
56. f. 2, the entire plant and the upper separate  
leaf.—On the Alps of Switzerland and of the Gri-  
sons.—*Raii hist.* 463; *europ.* 114. On the sum-  
mits of Jura.

*Daucus cretensis* verus *Dioscoridis*. *Lod. adv.* 323.  
On the alps of Germany, and on Mount Jura.  
No fig.

Stem branched only at the base, 8 inches long,  
pubescent. Leaves, the lower 5 inches long; seg-  
ments  $1\frac{1}{4}$  tenth of an inch long. Umbel when in  
fruit 2 inches long. Seeds hoary. *Obs.* 7708.

*DAUCUS creticus*. *Pharm. austriaco-prov.* 35.—  
*Berg.* 196. *Linn.* 90. *Spielm.* 53. *Tourn.* ii.  
325. *Vog.* 177.

4. *ATHAMANTA annua*. Segments of the leaves  
capillary. Involucella as long as the radii of the  
umbellulae. *Obs.* 7709. Specimen in an old  
herbarium collected in England.—*Obs.* 7710.  
Specimen of an umbel in fruit from Prof. Jos.  
F. Jacquin.—*L. sp.* 353; (but the specific cha-  
racter adopted from Royen seems rather to belong  
to *A. alpina*.—*Hort. kew.* i. 340. *Sibth. prodr.*  
n. 656. In the Isle of Melos.

*A. cretensis*. *Mill. Ph. dict.* n. 2? but he describes  
it as perennial.

*A. foliis capillaribus*, seminibus hirsutis. *Royen*  
97.

*Myrrhis orientalis*, folio angustiori peucedani, semine  
villosa. *Boerh.* i. 69? but he marks it as peren-  
nial.

*Myrrhis annua*, semine striato villosio incano. *Moris. umb.* 67.

*Daucus cretensis* verus *Dioscoridis*. *Lob. ic.* i. 722, *cop. in Park. theatr.* 896, & repr. in

*Daucus cretensis* verus. *Ger. by Johns.* 1029.

*Daucus creticus* which is annual. *Mill. Ph. dict.* under *A. cretensis* n. 2.

*Daucus primus Matthioli*. *Dalech.* 716?

(*Daucus creticus*. *Fuchs.* 231. c. 85, is *Carum Meum*.)

*Stem* glabrous, branched above. *Leaves* glabrous; segments from 7 to 11 tenths of an inch long. *Petioles* glabrous, pubescent at the end. *Radii* pubescent. *Seeds* hoary. *Styles* of the fruit patulous. *Receptacle* yellowish. *Obs.* 7710.

*DAUCUS creticus*. *Alst.* ii. 351. *Carthéus.* iii. 470. *Dale* 121. *Geoffr.* iii. 396. *Herm.* 292. *Lew.* i. 394; *disp. by Rother.* 153. *Mill. Jos.* 173. *Monro* iii. 87. *Murr.* i. 235.

*Daucus creticus officinarum*. *Chom.* 517.

*Daucus foliis foeniculi tenuissimis*. *Rutty* 165.

5. *ATHAMANTA chinensis*. *Seeds* membranaceous, striate. *Leaves* supradecomposed, smooth, multifold. *L. sp.* 353, who describes the seeds as having 5 longitudinal alae.

*ATHAMANTA chinensis*. *Lour.* i. 222, who describes the seeds as quinquecrenate.

## 255. PEUCEDANUM.

*Seeds* bordered, sulcate in the middle. *Petals* entire.

*Corollae* equal. *Obs.* 7725, from *P. alsaticum*.

—*L.*



1. *PEUCEDANUM rhombifolium*. Folioles rhombic.

*Obs.* 7765. Specimen gathered in Fothergill's garden.

*Bubon Galbanum*. *Hort. kew.* i. 352. *Regn. t.*

*Jacq. hort.* iii. 21. *t.* 36, *abr. in Woodv.* i. 34.

*t.* 12. *Berg. cap.* 77. *Thunb. cap.* 51. *Mill.*

*Ph. dict. n.* 3. *L. sp.* 364; (*mant.* 355, is described as having fruit not striate.)

*Anisum africanum frutescens*, folio anisi, galbaniferum. *Pluk. alm.* 31; *phyt. t.* 12. *f.* 2, a leaf, and umbellula in fruit.

*Ferula africana galbanifera*, folio et facie ligustici.

*Herm. parad.* 163. *t.* 163.

*Galbanum*. *Pomet.* i. 255. *t.* from a specimen given to him by Tournefort.

*GALBANUM* A gum resin. *Pharm. lond.*—

*Abst.* ii. 440. *Berg.* 209. *Boerh.* 105. *Cartheus.*

iii. 332. *Chalm.* ii. 41. 47. 118. *Chom.* 186.

*Cull.* ii. 369. *Fordyce, G. pract.* 210. 328.

*Geoffr.* ii. 631. *Herm.* 633. *Hill* 751. *Lew. i.*

453. *Linm.* 95. *Mill. Jos.* 206. *Monro* ii. 383.

*Murr.* i. 262. *Neum.* ii. 50. *Quarin animad.* 11.

114. 200; *febr.* 47. 164. 205. *Rutty* 212. *Schrod.*

721. *Spielm.* 560. *Vog.* 327.

*Bubon Galbanum*. The gum resin. *Pharm. edin.*

—*Lew. disp. by Dunc.* 170. *Murr. J.* i. 147.

*Pearson, R.* i. 288; ii. 172. 212.

*Galbanifera planta.* *Dale* 118.

2. *PEUCEDANUM officinale*. Leaves 5 times tri-

partite; segments lanceolato-linear. *Obs.* 7700.

Specimen gathered in Sole's garden.—*L. sp.* 353.

*Bot. arrang.* 284. *Smith brit.* 304. *Mill. Ph.*

*dict. n.* 1. who says he had searched for it in

vain in the places mentioned by authors.

- \* *minus*. Folioles  $1\frac{1}{4}$  to 2 inches long. *Obs.* 7701.  
 Specimen gathered by M. Broussonett in the south  
 of France.  
*Peucedanum*. *Fuchs.* 572. c. 228, *cop.* in  
*Peucedanon*. *Trag.* 881, &  
*P. minus germanicum*. *Bauh. J.* iii. b. 36.  
*P. germanicum*. *Boerh.* i. 66.  
*Peucedanum*. *Raii hist.* 416. In marsh ditches  
 near Shoreham in Sussex, and near Montpellier;  
 —*syn.* 206. Found by James Sherard near Fe-  
 versham.—*Dod.* 314, *repr.* in *Clus. hist.* ii. 196,  
*Ger. by Johns.* 1054, where it is said to grow  
 on the south side of a wood belonging to Waltham  
 at the Nase in Essex, or according to Ray's trans-  
 cript of this place of growth in *Camd.* by Gibbs.  
 362, Walton at the Nase in Tendring hundred;  
 and also at Whitstable and Feversham in Kent;  
 &  
*P. Foeniculum porcinum*. *Lob. ic.* i. 781, and *cop.*  
*in*  
*P. Dodonaei*. *Dalech.* 746, &  
*P. vulgare*. *Park. theatr.* 880. In the salt marshes  
 near Feversham.  
*P. Matthioli*. *Dalech.* 746.  
*Fruit* ovato-oblong, terete, sulcate. *Seeds* semi-  
 oblong, sulcate on the outer side; angles 3, com-  
 pressed, acute; margins acute, scarcely bordered.  
*Obs.* 7703. Specimen gathered in the Vienna gar-  
 den.—*Seeds*, border as broad as the angles. *Obs.*  
 7726. Specimen gathered in the Paris garden, but  
 in neither of these specimens did the fruit seem  
 sufficiently mature to justify its removal from *P.*  
*alsaticum* to *Ligusticum*.

*Native of Germany, and possibly brought into England with ballast, naturalised, and now extinct.*

*PEUCEDANUM. Alst. i. 493. Berg. 193.*

*Dale 117. Geoffr. suite i. 391. Herm. 97. Lew.*

*ii. 216. Linn. 91. Mill. Jos. 343. Murr. i.*

*238. Ratty 204. Spielm. 567. Vog. 241.*

*♂ majus. Folioles 3 inches long. Obs. 7702. Specimen gathered in the Paris garden.—L. β. Hort. kew. i. 341 β*

*P. italicum. Mill. Ph. dict. n. 2.*

*P. majus italicum. Boerh. i. 65. Bauh. J. iii. b.*

*36. Lob. ic. i. 782, cop. in Dalech. 747, the upper half cop. in Park. theatr. 880, and the whole repr. in*

*P. majus. Ger. by Johns. 1054.*

## 256. CRITHMUM.

*Fruit oval, compressed, striate. Petals entire. Corollae equal. From L.*

*1. CRITHMUM maritimum. Folioles lanceolate, fleshy. L. sp. 351. Bot. arrang. 286. Jacq. hort. ii. 88. t. 187. Smith brit. 306; engl. t. 819.*

*C. maritimum. Raii syn. 217. Dod. 693, repr. in Ger. by Johns. 533, &*

*Foeniculum maritimum, sive Empetrum, aut Calci-fraga. Lob. ic. i. 392, & cop. in*

*C. multis, sive Foeniculum maritimum. Bauh. J. iii. b. 194.*

*Crithmum. Dalech. 768.*

*Crethamus. Cord. fol. 201. p. 1.*

*C. verum. Rumph. vi. 166. t. 72. f. 2.*



*C. marinum vulgatus.* *Park. theatr.* 1286, the name and place of growth, (but he describes the flowers as white, and the fig. is *Sium Falcaria*.)

*Pastinaca marina.* *Dalech.* 1396.

*CRITHMUM.* *Dale* 128. *Mill. Jos.* 158. *Rutty* 147.

*C. maritimum.* *Bryant* 136.

*C. sive Foeniculum maritimum minus.* *Chom.* 235.

*SODA.* *Murr.* iv. 287.

## 257. CACHRYS.

*Fruit* with a corklike rind. *Petals* entire. *Corollae* equal. *From L.*

1. *CACHRYS odontalgica.* Leaves bipinnate; foli-oles lanceolato-linear, pubescent. Seeds very smooth. *L. & Willd.* i. 1409. *Pall. reise* iii. app. n. 75. t. G.

*CACHRYS odontalgica.* *L. fl. suppl.* 181.

2. *CACHRYS Libanotis.* Leaves bipinnate; pinnae opposite, linear, somewhat pungent. Seeds sulcate, glabrous. *Vahl. symb.* iii. 49. *L. sp.* 355. *Hort. kew.* i. 342.

*C. semine fungoso sulcato plano.* *Moris. umb. t.* 3. Fruit oblong.

*C. semine fungoso sulcato plano minore, foliis pucedani angustis.* *Hist. ox. s. 9. t. 1. row 1. f.*

6. Fruit ovate.

*Libanotis.* *Dod.* 303, repr. in

*C. verior, Libanotis Galeno.* *Lob. ic.* i. 783, &



Libanotis Galeni, C. verior. Ger. by Johns. 1010,  
& cop. in ed. 1615, altered to Galienus.

*Libanotis cachryophoros* quibusdam, floribus luteis.

*Bauh. J. iii. b. 39. &*

*C. verior.* Dalech. 764.

*LIBANOTIS. Dale 119.*

## 258. FERULA.

*Seeds* tricostate, flat. *Petals* entire. *Corollae* equal.

*Obs.* 7694. *L.*—*Gaertn.* t. 85 from *F. tingitana*.

—*Venten. tabl. t. 13. f. 4.*

1. *FERULA communis*. Folioles linear, very long, simple. *L. sp.* 355. *Hort. kew.* i. 343. *Gouan hort.* 140. Near Montpellier;—*monsp.* 220.

*F. foliolis linearibus longissimis et simplicibus. L.*  
*ups. 61. Royen 99.*

*Forula. Magn. monsp.* 97. *Rati europ.* 125. *Dalech.* 754. *Lob. obs.* 450, repr. in ic. i. 778, *Dod.* 319, & *Ger. by Johns.* 1056, & cop. in

F. tenuiore folio. *Park. theatr.* 876, & *abr. in*

*F.* folio foeniculi, semine latiore et rotundiore.  
*Bauh. J.* iii. b. 43. *Raii hist.* 420. On the  
 mountains above Messina and elsewhere in Sicily  
 and Italy, and between Montpelier and Frontig-  
 nan.

Narthecium Theophrasti, Ferulago Gazae. Dalech.  
754, cop. in Bauh. J. iii. b. 44.

*F. foemina* Plinii. *Magn. hort.* 77.

*Folioses* glabrous, laciniate; segments of the lower leaves rather distant, patent, acute, rather less than the 20th of an inch broad, sometimes an inch long. *Floral leaves* lanceolate, in threes in pairs and soli-

tary, at the base and near the end of the lateral peduncles. *Peduncles* verticillate and terminal, glabrous, lateral ones extending beyond the terminal peduncle. *Umbels* globular. *Radii* glabrous. *Involucra* and *involucella* none. *Obs.* 7693. Specimen gathered in Fothergill's garden.

*FERULA. Dale* 118.

*F. secunda. Boerh.* 104.

2. *FERULA nodiflora.* Folioles linear. *Involucra* and *involucella* permanent. Lateral flowering branches verticillate. Bracteae at the base of the flowering branches ensiform. *Obs.* 7694. Specimen from Prof. Jos. F. Jacquin.—*Jacq. austr.* v. 25. *app. t.* 5. *Hort. kew.* i. 343. *L. sp.* 356.

*F. Ferulago. Sibth. prodr.* 665. *L. sp.* 356?

*F. galbanifera. Boerh.* i. 64. *Lob. obs.* 451, from seeds found among Galbanum; *repr. in ic.* i. 779, *cop. in Dalech.* 755, *abr. in Bauh. J.* iii. b. 52, *repr. in*

*Ferulago. Dod.* 319, and *Ger. by Johns.* 1056, *cop. in*

*F. latiore folio. Park. theatr.* 876, & *abr. in Hist. ox. s.* 9. *t.* 15. row 1. *f.* 1.

*Libanotis quibusdam, flore luteo, semine ferulae. Bauh. J.* iii. b. 41. In a garden.

*Panax Asclepias ferulae folio Lobelii. Park. theatr.* 882.

(*Panax Asclepium ferulae facie. Lob. ic.* i. 783, *repr. in Ger. by Johns.* 1057, &

*Panaces Asclepium ut existimatur. Dod.* 306, and *cop. in*

*Libanotis cachryfera, sive Cachrys vera. Park. theatr.* 882, has no involucra, and is probably *Cachrys laevigata.*)

*Folicles* sessile; *pinnulae* acute, one fourth of the 10th of an inch broad. *Umbels* on short peduncles. *Involucra* permanent. *Seeds* elliptico-oval, flat, bordered, 5 tenths of an inch long, and  $2\frac{1}{2}$  broad, glabrous, brownish yellow, of a resinous scent, bitter. *Obs.* 7694.

*FERULAGO latiore folio.* *Chom.* 187.

*F. galbanifera.* *Dale* 118.

3. *FERULA Assafoetida.* *Pinnae* and *pinnulae* cuneiform; *pinnulae* tridentate; teeth acute. Terminal umbels sessile. *Specimens* in Sir Jos. Banks's herbarium, gathered by Hope in the Edinburgh garden, from a plant which I saw in flower in May 1782, similar in structure and habit to those of *F. tingitana*, the figures of which in *Herm. parad.* t. 165, *Riv. pent.* t. 10, and *Scop. insub.* iii. t. 9 & 10, are good representations of Hope's plant. — *L.* sp. 356. *Woodv.* 22, t. 8, cop. from

*Asafoetida.* *Hope in phil. trans.* lxxv. 36. t. 3, umbells; t. 4, portion of a leaf; some account of the plant repr. in *med. comment.* x. 160. The roots raised by Dr. Pallas from seeds gathered on the mountains of Ghilan in Persia.

*Hingisch.* *Kaempf. amoen.* 535. t. 536, in fruit, and portions of leaves, which described as varying so much in different plants as scarcely to appear leaves of the same species. *Involucra* and *involucella* none. In the plains and mountains about Heraat in Chorasaan, and on mountains in Laar on the borders of the Persian gulph.

*F. persica.* *L. a Willd.* i. 1413, from Hope. — *Lamarck encycl.* 456.

*Pinnae* and *pinnulae* mostly trifid. *Specimens* abovementioned.



**ASA FOETIDA.** A gum resin. *Pharm. lond.*

—*Beerenbrock*, account from in med. journ. iv. 242. *Blane* 412. *Block*, account from in med. journ. i. 239. *Bree* 251. 254. 256; and account from in chir. rev. v. 30. *Cartheus*. iii. 342. *Chalm.* i. 85. 141. *Clark. J.* sev. 97. *Crawford, J.* in Trotter ii. 95. *Cull.* ii. 366; clin. 200; pract. i. 414. n. 580. *Dale* 114. *Davies* in phys. journ. vii. 506. *Darw.* ii. 157. 341. 752. *Duncan* cases 309. *Geoffr.* ii. 606. *Heberd*, 168. 203. 205. *Herm.* 636. *Hill* 753. *Home, F.* clin. 186. *Lempriere* ii. 162. 179. 181. 191. *Lew.* i. 176. *Mead mon.* i. 100. *Mill. Jos.* 55. *Millar* asth. 183. *Monro* ii. 377. *Moseley* 490. *Murr.* i. 240. *Neum.* ii. 48. *Ploucq.* bibl. i. 373. 408. *Pringle* 318. *Quarin animad.* 26. 28. 47. 48. 114. 250. *Quier* in lett. & ess. 185. *Richter*, account from in chir. rev. i. 97. *Rush* i. 145. *Rutty* 41. *Schwaz*, account from in phys. journ. ix. 290. *Spielm.* 505. *Underw.* i. 50. 190. 316. 320. 330. *Wintringh.* in *Mead mon.* ii. 226. *Vog.* 321.

*Assa foetida.* *Pharm. succ.*—*Alst.* ii. 438. *Bang.* in act. haun. ii. 40. *Berg.* 198. *Chom.* 188. *Linn.* 91. *Murr. J.* i. 287. 333; ii. 37.

*F. Assa foetida.* *Pharm. edin.*—*Lew. disp.* by *Dunc.* 225. *Murr. J.* i. 145. *Pearson, R.* i. 145. 290; ii. 214, 256.

## 259. LASERPITIUM.

*Seeds* with winged angles. *Petals* emarginate.  
*Obs.* 5038, from *L. silaifolium* of Jacq.—*Obs.* 5037. *L.*



1. **LASERPITIUM latifolium.** Folioles cordato-ovate, serrate. *Obs.* 7717. Specimen from Prof. Jos. F. Jacquin.—*L. succ.* n. 242; *sp.* 356. *Roth germ.* ii. 361. *Pollich n.* 283. *Hort. kew.* i. 344. *Host* 151. *Jacq. austr.* ii. t. 146; *vind.* 48. *Gouan monsp.* 217. *Asso n.* 35. *Scop. carn. n.* 320.

*L. foliis latioribus lobatis.* *Vaill. paris.* 114.

Dauci alterum genus. *Fuchs.* 231. c. 85, *cop. in Dalech.* 765.

Libanotis III Dodonaei. *Dalech.* 765, &

Libanotis Theophrasti quorundam, sive Seseli aethiopicum Matthioli, Cervaria alba. *Bauh. J.* iii. b. 164, who found it about Bormio in the Grisons, and on mount Montez near Basle in Switzerland.

Libanotis Theophrasti minor. *Raii hist.* 427. On the mountains about Geneva, and on the alps of Stiria;—*europ.* 164.

Seseli aethiopicum Matthioli. *Dalech.* 748, has no involucre.

Native of Switzerland, Germany, France, and Sweden.

**THAPSIA officinarum.** *Chom.* 64. *Dale* 120.

Gentiana alba. *Pharm. suec.*—*Berg.* 201. *Linn.*

91. *Murr.* i. 247. *Vog.* 197.

*asperum.* (Variation.) Leaves scabrous. Wings of the seeds curled. *Obs.* 7717.

*L. latifolium.* *L. a Willd.* i. 1414.

*L. foliis amplioribus, semine crispo.* *Boerh.* i. 61.

Libanotidi Theophrasti quorundam valde similis, Costus amara dicta, semine crispo. *Bauh. J.*

iii. b. 165, from a specimen gathered by Agerius in Italy.

Libanotis Theophrasti major. *Lob. obs.* 402, re-

*pr. in ic. i. 704, and cop. in Park. theatr. 952, &*

*Libanotis Theophrasti quorundam, folio minus rotundo. Bauh. J. iii. b. 165.*

*β glabrum. (Variation.) Leaves nearly glabrous. Wings of the seeds flat. Obs. 7718. Specimen in flower in an herbal formed in England; and from*

*L. Libanotis. L. a Willd. i. 1414.*

*L. foliis latioribus lobatis. Boerh. i. 61.*

*Libanotis Theophrasti. Lob. obs. 402, repr. in ic. i. 704,*

*Seseli aethiopicum Matthioli. Clus. hist. ii. 194,*

*Seseli aethiopicum herba. Dod. 310, &*

*Libanotis Theophrasti major. Ger. by Johns. 1010.*

2. *LASERPITIUM Siler.* Folioles lanceolate, entire, petiolate. *Obs. 7720. Specimen gathered in Fothergill's garden.—L. sp. 357. Hort. kew. i. 345. Jacq. austr. t. 145.*

*Siler montanum majus. Boerh. i. 52, the character of which genus is to have striate seeds.*

*Siler montanum. Dod. 308, repr. in Clus. hist. ii. 195, cop. in*

*Siler montanum angustifolium. Park. theatr. 909, & repr. in*

*Siler montanum officinarum. Lob. ic. i. 737, and Ger. by Johns. 1048. Raii hist. 439.*

*Siler montanum, vulgo Siselios. Park. theatr. 909.*

*Seseli, sive Siler montanum vulgare. Bauh. J. iii. b. 168. On mount Thuri near Geneva.*

*Ligusticum Matthioli. Dalech. 744, imit. with improved foliage in*

*Seseli pratense monspeliensium. Lob. ic. i. 738, &c. as given under Ligusticum Silaus?*

*SESELI.* *Alst.* ii. 372. *Lew.* i. 365. *Mill.* *Jos.* 411. *Rully* 483.

*Seseli vulgaris.* *Dale* 123.

*Seseli vulgare.* *Monro* iii. 266.

*Seseli officinarum.* *Herm.* 294.

*Seseli creticum.* *Sptelm.* 298.

*Siler montanum.* *Berg.* 202. *Linn.* 92. *Murr.* i. 248. *Vog.* 181.

*Ligusticum.* *Chom.* 521. *Geoffr.* iii. 717.

## 260. HERACLEUM.

*Fruit* compressed, oval, emarginate. *Seeds* bordered, even, tricostate in the middle. *Petals* unequal and equal, mostly dissimilar, the outer semipartite. *Obs.* 5149, and from *L.*

1. *HERACLEUM Sphondylium.* *Corolla* radiate. *Foliolae* oblong, acute, even, pinnatifid or incise. *Obs.* 5149. In meadows.—*L. nat.* ii. 210; *a Murr.* 282, where for uniformibus read radiatis;—*sp.* 358; *succ. n.* 243; *Bot. arrang.* 287. *Smith brit.* 307; *engl t.* 939.

*H. foliolis pinnatifidis.* *Gmel. sib.* i. 213.

*Sphondylium.* *Dalech.* 733.

*Sphondylium.* *Dod.* 304, *repr. in Ger. by Johns.* 1009, &

*Sphondylium, Acanthus germanica Fuchsii.* *Lob. ic.* i. 703, & *cop. in*

*Sphondylium vulgare.* *Park. theatr.* 953, and one half *cop. in*

*Sphondylium majus.* *Park. theatr.* 954.

*Acanthus germanica.* *Fuchs.* 52. c. 15, lower leaves represented as pinnatifid, *cop. in*



*Spondylium* quibusdam, sive *Branca ursina* germanica. *Bauh. J.* iii. 160,

*Spondylium* vulgare. *Dalech.* 734, &

*Branca ursina.* *Trag.* 437.

*Leaves* pinnate; folioles 5, the 2 intermediate ones sessile, which in the above cited figures are petiolate. *Obs.* 5149, and other specimens.

*SPHONDYLIIUM.* *Dale* 114. *Geoffr. suite* iii. 115.

*H. Sphondylium.* *Ploucq. bibl.* i. 420.

*Sphondylium* vulgare hirsutum. *Chom.* 719.

*Branca ursina* vulgaris. *Cartheus.* iv. 203.

*Branca ursi.* *Linn.* 92.

*Branca ursina.* *Krock. n.* 421. *Murr.* i. 256.

*Schrod.* 549. *Spelm.* 453. *Vog.* 94 β

*Common Cow Parsnip.* *Orne in med. pap.* 48.

2. *HERACLEUM Panaces.* Corolla radiate. Folioles oblong, obtuse, acutely sinuate. *Obs.* 7721. Specimen from Prof. Jos. F. Jacquin.—*L. sp.* 358. *Hort. kew.* i. 346.

*H. foliis pinnatis, foliolis quinque intermediis sessilibus, corollulis uniformibus.* *L. vps.* 65.

*Panaces Heracleum, vel potius Spondylium alterum.* *Dod.* 305, repr. in

*Panax Heracleum.* *Lob. obs.* 398; *ic.* i. 701, & *Ger. by Johns.* 1003, & cop. in

*Panax Heracleum.* *Dalech.* 740,

*Panax Heracleum verum.* *Park. theatr.* 949, &

*Spondylium majus, sive Panax H. quibusdam.*

*Bauh. J.* iii. b. 161. All the leaves ternate.—

*Magn. hort.* 188. *Boerh.* i. 66.

(*Panaces herculeum* Matthioli. *Dalech.* 739, is probably *H. alpinum.*)

*Folioles*, the intermediate ones sessile. *Obs.* 7721.



*Native of Italy, Silesia, and Siberia.*

**HERACLEUM** Panaces. *Krock. n. 422.*

**S. HERACLEUM** *sibiricum*. Corolla uniform. Leaves pinnate; folioles 5, the intermediate folioles sessile. *L. sp. 358; mant. 334. Hort. kew. i. 346.*

*H. foliis pinnatis, foliolis quinis, intermediis sessilibus, corollulis uniformibus. L. ups. 65.*

**SWEET GRASS.** *Cook voy. 3rd. iv. 124.*

*Raka. Ib. 125.*

## 261. LIGUSTICUM.

*Seeds sulcate. Petals entire. Corollae equal. Obs. 7688. L.*

### 1. With involucra and involucella.

**1. LIGUSTICUM** *biterdatum*.—Leaves biterdate. *L.*

*L. scoticum. L. succ. n. 244; sp. 359. Bot. arrang. 289. Lightf. 159. On the coast of Fife, and of the isles of Jura, Isla, Iona, and Skie.—Smith brit. 309; engl. t. 1207. Fl. dan. t. 207. Winch in lin. trans. viii. 359. Near Dunstanbrough Castle Northumberland.—Gron. virg. 43.*

*Apium maritimum. L. lapp. n. 107.*

*L. scoticum, apii folio. Dill. ap. Raii syn. 214.*

*L. humilius scoticum a maritimis, seu Apium maritimum dulce scoticum. Pluk. phyt. t. 96. f. 2.*

*Seseli maritimum scoticum humile, foliis imperatoriae. Herm. parad. 227. t.*

*Apium scoticum, et Apium marinum quibusdam.*

*Newton ap Raii syn. ed. ii. 109.* Near Queen's Ferry 6 miles from Edinburgh.

*Imperatoriae affinis, umbellifera maritima scotica.*

*Sibbald ii. 32.*

*Apium marinum quibusdam. Sibbald t. 12. f. 3.*

*Folioles incumbent, those of the lower leaves obtusely rhombic; terminal foliole generally trifid, one of the fissures rather shallow, the other deep; lateral folioles generally cloven. Obs. 7688. Specimen gathered in Fothergill's garden.*

*Native of Scandinavia, Scotland, Northumberland, Canada, and Virginia.*

*LIGUSTICUM scoticum. Lour. i. 224. Penn. scott. in 1772. part ii. 205. t. 24.*

2. *LIGUSTICUM Levisticum.* Leaves bipinnate; folioles rhombeo-elliptic, incise. *Obs. 7686.*

*Specimen gathered in Mr. Hunter's nursery.—L. sp. 359. Woodv. 519. t. 190. Hort. kew. i. 347.*

*Levisticus. Brunsf. iii. 116.*

*Levisticum. Lob. obs. 401, repr. in ic. i. 701,*

*Levisticum vulgare. Dod. 309; ed. ii. 311; and Ger by Johns. 1008, and cop. in Park. theat. 936. Matth. 770. Hist. ox. s. 9. t. 3. row 1. f. 1.*

*Hipposelinum Matthioli, sive Levisticum vulgare. Dalech. 703.*

*Smyrniun. Fuchs. 760. fol. ed. cop. in 719. c. 291, folioles too rhombic, &*

*Ligusticum vulgare, foliis apii. Bauh. J. iii. b. 122, & imit. in*

*Ligusticum. Trag. 426.*

*Levisticum vulgare, seu Hipposelinum. Cam. epit. 529, cop. in*

*Levisticum vulgare germanicum.* *Park. theatr.* 936.

*L. Laserpitium adulterinum.* *Tab. ic.* 79.

*Fruit oval. Seeds glabrous. Obs.* 7688. Specimen gathered in Fothergill's garden.

**LEVISTICUM.** *Pharm. austriaco-prov.* 45. *succ.* — *Alst.* i. 475. *Berg.* 202. *Cartheus.* iii. 81. 478. *Dale* 123. *Geoffr.* iii. 712. *Herm.* 28. 277. *Krock. n.* 428. *Lew.* ii. 54; *disp. by Dunc.* 343. *Linn.* 92. *Mill. Jos.* 266. *Murr.* i. 249. *Rutty* 284. *Vog.* 162. 202.

*Ligusticum.* *Lew. disp. by Rother.* 188. *Spielms.* 536.

*Lyeche.* *Chom.* 520; *suppl.* 152.

3. **LIGUSTICUM Angelica.** Leaves decomposed; folioles elliptico-ovate; terminal foliole lobate. *Obs.* 924. In a garden.

*Angelica Archangelica.* *L. succ. n.* 245; *sp.* 360. *Woodv.* 138. *t.* 50. *Roth germ.* i. 134. *Fl. dan.* *t.* 206. Banks of ditches rivulets and rivers in Holstein Oldenburg and Bremen, and near Herborn.—*Hort. kew.* i. 348. (*Smith brit.* 311, is *Angelica sylvestris* β)

*Angelica sativa.* *Mill. Ph. dict. n.* 1. On the sides of rivers in the northern countries.—*Dill. ap. Raii syn.* 208. Found by Doody about the Tower of London and on the banks of ditches.—*Dalech.* 724. *Boerh.* i. 53. *Fuchs.* 131. *c.* 43, *cop. in Bauh. J.* iii. *b.* 140, &

*Angelica.* *Trag.* 421. *Lob. obs.* 393, *cop. in Park.* *parad.* 529. *t.* 531. *f.* 1, *repr. in*

*Angelica Smyrniun Cordi.* *Lob. ic.* i. 698,

*Angelica major.* *Dod.* 315, &



*Angelica sativa.* Ger. by Johns. 999, and cop. in Park. theatr. 940. Raii hist. 434.

*Angelica foliorum impari lobato.* L. lapp. n. 101.

*Angelica officinarum.* Bauh. J. iii. b. 140. The root.

(*Archangelica.* Dod. 316, repr. in Lob. ic. i. 701, Clus. hist. ii. 195, and Ger. by Johns. 1000, and cop. in Park. theatr. 940, Bauh. J. iii. b. 143, & Dalech. 726, is *Laserpitium Archangelica* L. a Willd. i. 1419.)

*Leaves* tripinnate and bipinnate. *Folioles*, the terminal one cuneiform at the base. *Involucrum* none. *Involucella* multibracteate; bracteae subulate. *Petals* yellowish green, with an elevated costa on the upper side, the ends incurvate. *Fruit* oval. *Seeds* oval, flat on the inner side, convex and sulcate on the outer, bordered; ridges 3, acute; border loose, acute, one 6th as broad as the seed. *Nucleus* oblong, olivecoloured, aromatic. Obs. 924.

*ANGELICA.* Root, stem, leaves, and seeds.

*Pharm. lond.*—Alst. i. 365. Berg. 204. Cartheus. iii. 78. Cull. ii. 160. Dale 122. Geoffr. ii. 6. Herm. 23. Hill 603. Lew. i. 85. Linn. 93. Mill. Jos. 40. Monro iii. 16. Murr. i. 250. Neum. ii. 173. Ruttty 29. Spielm. 531. Stoll med. i. 18; ii. 145; iii. 90; aph. n. 678. Vog. 157. 185. Wintringh. in Meud mon. i. 230.

*Angelica Archangelica.* Root. Leaves. Seed.

*Pharm. edin.*—Bryant 53. Lew. disp. by Dunc. 144. Murr. J. i. 205. Pedrson, R. i. 170.

*Angelica sativa.* Pharm. austriaco-prov. 18.—

Chom. 283; suppl. 94. Krock. n. 431.

*Angelica hortensis, seu sativa.* Schrod 134.



β *altissima*. Stem as long again as that of α. Folioles more deeply serrate. Petals yellow. *From*

A. Archangelica. *Mill. Ph. dict. n. 2.* In Hungary and some parts of Germany.

A. scandiaca, umbella flava, semine rotundiori, Angelica dicta. *Boerh. i. 53.*

Archangelica. *Raii hist. 434.*

ARCHANGELICA. *Dale 122.*

γ *alpina*? ANGELICA alpina vera, seu Angelica alpina II Schwenkf. *Krock. n. 434.*

4. LIGUSTICUM *peloponense*. Leaves multipinnate; folioles pinnatifid; segments incise. *L. a Murr. 283. Hort. kew. i. 347. Krock. n. 429. Retz. obs. ii. 16. n. 40.*

*L. peloponnesiacum. L. sp. 360.*

*Cicutaria latifolia foetidissima. Lob. ic. i. 733, inner fig. repr. from obs. 423, both figures repr. in*

*Cicuta latifolia foetidissima. Ger. by Johns. 1062, & cop. in*

*Cicutaria altera latifolia foetidissima, sine flore, et*

*Cicutaria latifolia foetidissima cum flore. Dalech. 790, & abr. in*

*Seseli peloponnesiacum recentiorum. Park. theatr. 907.*

*Seseli peloponense Matthioli, sive Cicutaria quorundam. Bauh. J. iii. b. 184.*

*Seseli peloponnense. Cam. epit. 514.*

SESELI peloponnense. *Dale 127. Diosc. l. 3. c. 62.*

5. LIGUSTICUM *Silaus*. Leaves decompose; segments lineari-lanceolate; microscopically aculeate at the margin. Involucrum of 2 and 1 bractea.

- Umbellulae distant. *Obs.* 7695. On the balks of cornfields near Newark in Nottinghamshire.
- Peucedanum Silaus. *L. sp.* 354. *Jacq. austr.* i. t. 15. *Bot. arrang.* 285. *Smith brit.* 305.
- Sium Silaus. *Roth germ.* ii. 340.
- Angelica pratensis, apii folio. *Tourn. paris.* 388. *Vaill. paris.* 13.
- Seseli pratense, Silaus forte Plinio. *Vaill. paris.* 184.
- Angelica tenuifolia. *Riv. pent. t.* 18, pointed out to me by M. Troostrom. Folioles broader than in wild plants. (The description belongs to *Selinum Caruifolia*.)
- Saxifraga anglorum, facie seseli pratensis monspeliensium. *Lob. adv.* 352, but he describes the flowers as white. No fig.—*obs.* 456, repr. in
- Saxifraga anglicana, facie seseli pratensis monspeliensium. *Lob. ic.* i. 784, &
- Saxifraga anglicana, facie seseli pratensis. *Ger. by Johns.* 1047, & cop. in
- Saxifraga umbellifera anglorum. *Dalech.* 713,
- Saxifraga anglorum, foliis foeniculi latioribus, radice nigra, flore candido, semine foeniculi, similis silao. *Bauh. J.* iii. b. 171, &
- Seseli pratense nostras. *Park. theatr.* 904. *Raii syn.* 216.
- Saxifraga anglica facie seseli pratensis. *Raii hist.* 453.
- Silaum quibusdam flore luteolo. *Bauh. J.* iii. b. 170. *Boerh.* i. 51.
- Foeniculum silvestre Loniceri. *Dalech.* 689, is perhaps rather *Selinum Caruifolia*.
- Seseli pratense monspeliensium. *Lob. adv.* 328. No

fig.—*ic. i. 738, repr. in Ger. by Johns. 1048, cop. in Park. theatr. 904, repr. in*

*Siler alterum pratense. Dod. 308, & cop. in Seseli pratense Lobelii. Dalech. 752, referred to by Linnaeus, and thought to be the same by Ray, may be this plant, but I have never observed floral leaves so near to the umbels, and the radii are curved. It is described by Lobel as having white flowers. A comparison of it with Ligusticum Matthioli of Dalech. 744, and in particular of the floral leaves in place of involucra induces me to suspect it to be a fabrication of Lobel from Matthioli's figure of Laserpitium Siler.*

*Petals yellow, not appearing obcordate or emarginate. Seeds flat on the inner side, convex with 3 costae on the outer side. Styles and Receptacle yellow, but as the germen advances to its full growth becoming of a dirty purple. Obs. 5031. On the banks of a canal. Distinguishable from Selinum Caruifolia by the colour of the petals, the umbellulae being fewer and distant, the stem striate the whole length, and the folioles distant.*

*SESELI pratense. Geoffr. suite ii. 389. Herm. 294.*

*Saxifraga vulgaris. Dale 127. Lew. ii. 348. Mill. Jos. 399. Rutt. 468.*

*Saxifraga anglorum, foliis foeniculi latioribus, radice nigra, flore candido similis silao. Chom. 234.*

2. *Without involacra and involucella.*

6. **LIGUSTICUM** *Foeniculum*. Segments of the leaves setaceous. *Obs. 7727. Specimen gathered in a garden.—Roth germ. ii. 323.*

*Anethum Foeniculum. L. sp. 377. Gouan hort. 150. About Montpellier.—Bot. arrang. 311.*

**DIGYNIA. 261. Ligusticum. 101**

*Smith brit.* 329; *engl. t.* 1208. *Woodv.* 441. *t.* 160. *Asso n.* 268. *Mill. J. ill. i. t.* 13.

**FOENICULUM.** *Pharm. suec.*—*Herm.* 56. 274. *Krock. n.* 466. *Murr. i.* 289. *Quarin febr.* 143. *Spiclm.* 267. *Vog.* 161. 196.

**Anethum Foeniculum.** Root. Seed. *Pharm. edin.*—*Bryant* 120. *Lew. disp. by Dunc.* 143. *Lour. i.* 226. *Murr. J. i.* 205. *Pearson, R. ii.* 169.

**Foeniculum vulgare, germanicum.** *Vaill. paris.* 55.

**Foeniculum vulgare.** *Sheldr. t.* 15. *Dalech.* 689.

*Raii syn.* 217. On sea banks and chalk cliffs in the extremity of Cornwall, and in Pevensey marsh Sussex.

**Foeniculum.** *Cam. epit.* 534. *Dod.* 293, repr. in *ed. ii.* 297,

**Foeniculum, sive Marathrum vulgatius dulce.** *Lob. obs.* 448; *ic. i.* 775, &

**Foeniculum vulgare.** *Ger. by Johns.* 1032, & cop. in *Park. theatr.* 884, & abr. in

**Foeniculum.** *Park. parad. t.* 493. *f.* 3. *Fuchs.* 501. *ed. fol. cop. in* 486. *c.* 192, *imit. in Trag.* 448, & cop. in

**Foeniculum vulgare minus, acrlori et nigriori semine.** *Bauh. J. iii. b.* 2. About Montpellier and Lyons. —*Magn. monsp.* 98.

**Foeniculum dulce.** *Bauh. J. iii. b.* 4, the outer seeds. (The name and the rest of the fig. belong to  $\beta$ ).

**Involucra and involucella none.** *Obs.* 7727.

*Native* of Madeira, Spain, the south of France, Bretagne, Cornwall, and Sussex. The plants observed in Germany, near Paris, Nottingham castle, and Spetchley in Worcestershire, were probably the outcasts of gardens.



*FOENICULUM* vulgare. *Pharm. austriaco-prov.* 38.—*Cull.* ii. 158. *Geoffr.* iii. 479. *Lew.* i. 437. *Mill. Jos.* 200.

*Foeniculum* vulgare germanicum. *Cartheus.* iii. 439. *Chom.* 216. *Neum.* ii. 180. *Rutty* 202.

*Foeniculum.* *Alst.* i. 383. *Dale* 128. *Linn.* 99. *Quarin animad.* 37.

β *dulce.* Seeds sweetish and mild. *Obs.* 2525. From the shops.—*L. sp.* 377 α

*Foeniculum dulce.* *Magn. hort.* 80.

*Foeniculum dulce, majore et albo semine.* *Bauh. J.* iii. b. 4, (the outer seeds belong to α)

*Fruit* terete, sulcate; angles acute, the commissures forming 2 of the angles. *Seeds* oblong; angles 3, acute. *Obs.* 2525.

*FOENICULUM dulce.* Sweet Fennel. The seeds. *Pharm. lond.—Alst.* i. 384. *Berg.* 226. *Cartheus.* iii. 439. *Cull.* ii. 158. *Dale* 128. *Geoffr.* iii. 480. *Hill* 519. *Lew.* i. 436. *Mill. Jos.* 201. *Monro* iii. 109. *Neum.* ii. 181. *Rutty* 202.

*Anethum azoricum.* *Bryant* 121.

*Foeniculum dulce officinarum.* *Chom.* 217.

Fennel seeds. *Chalm.* i. 215.

Sweet Fennel. *Underw.* i. 358; iii. 146.

## 262. ANGELICA.

*Seeds* bordered, convex, with 3 submembranaceous angles in the middle. *Petals* entire. *Corollae* equal. *Obs.* 5148. *Roth germ.* ii. 360. *L.*

1. *ANGELICA sylvestris.* Folioles nearly equal, ovate, serrate. *Obs.* 5148. In wet ground.—

*L. lapp.* n. 102; *suec.* n. 246; *sp.* 361. *Bot. arrang.* 290. *Smith brit.* 311; *engl. t.* 1128. *Scop. carn.* n. 326. On mountains about Gortz. — *Woodv.* iv. 139. t. 265. *Park. theatr.* 940. *Dod.* 315, repr. in *Lob. ic.* i. 699, and *Ger.* by *Johns.* 999. *Raii syn.* 208. *Fuchs.* 125. fol. ed. cop. in ed. 12mo, 131. c. 43, *Trag.* 422, &

*A. silvestris magna vulgatio.* *Bauh. J.* iii. 144.

*A. sylvestris major.* *Boerh.* i. 53.

*Imperatoria pratensis major.* *Tourn. paris.* 342.

*Vaill. paris.* 109.

*Folioles* unequally serrate. *Petals* equal, elliptic, purplish white, slightly incurvate. *Seeds* with a loose border and 3 submembranaceous angles on the outer side. *Obs.* 5148.

*ANGELICA sylvestris.* *Berg.* 206. *Dale* 122.

*Krock. n.* 432. *Lew.* i. 85. *Linn.* 93. *Murr.* i. 254. *Schoepf* 35.

*Angelica sylvestris major.* *Cartheus.* iii. 79. *Chom.* 283. *Schrod.* 534.

2. *ANGELICA verticillaris.* Branches of the petioles very much divaricate. *Folioles* ovate, serrate. Flowering branches verticillate. *From L. mant.* 217, & *Jacq. hort. t.* 130.

*A. montana maxima,* flosculis candicantibus, ad nodos caulium umbellifera. *Boerh.* i. 53.

*A. sylvestris alpina,* podagrariae folio. *Tourn. hort.* 168.

*ANGELICA verticillaris.* *Krock. n.* 433.

3. *ANGELICA atro-purpurea.* Outermost pair of folioles coadunate; terminal foliole petiolate. *L. sp.* 361. *Hort. kew.* i. 349.

*A. extimo pari foliolorum connato, pinna terminatrici petiolata.* *Royen* 103.

*A. canadensis atropurpurea.* *Boerh.* i. 53. *Cornut.* 198. *t.* 199.

*ANGELICA* atro-purpurea. *Schoepf* 35.

4. *ANGELICA lucida.* Folioles equal, ovate, inciso-serrate. *L. sp.* 361. *Hort. kew.* i. 349.

*A. foliolis aequalibus ovatis inciso-serratis.* *Gron. virg.* 43.

*Angelica.* *L. ups.* 62. *Cutl.* 426.

*A. lucida canadensis.* *Boerh.* i. 53. *Cornut.* 196. *t.* 197.

*ANGELICA* lucida. *Schoepf* 35.

## 263. SIUM.

*Seeds* costate, *Petals* emarginate. *Corollae* equal.

*Obs.* 4658. 5193. 6579. *L.*

Very nearly allied to *Pimpinella*.

1. *SIUM Sisarum.* Leaves pinnate; floral leaves ternate. *L. sp.* 361. *Hort. kew.* i. 350.

*SISARUM.* *Berg.* 206. *Cartheus.* ii. 165. *Geoffr. suite* iii. 54. *Lew. in Neum.* ii. 73. *Mill. Jös.* 414. *Pearson, R.* i. 57. *Quarin febr.* 368. *Rutty* 489. *Spiclm.* 68.

*Siser.* *Dale* 124.

*S. Sisarum.* *Bryant* 42. *Hermbsstaedt, account from in phys. journ.* iv. 349. *Lour.* i. 223.

*Sisarum germanorum.* *Chom.* 251.

*a tuberosum.* Roots with tubers. *Obs.* 7724. *Specimen from Dr. Heise.*

*S. Ninsi.* *Burm. N. ind.* 74. *t.* 29.



- Sisarum*. *Park. parad. t.* 507. *f.* 1, all the leaves pinnate.—*Dod.* 670, repr. in *Lob. obs.* 408; *ic.* i. 710, & *Ger. by Johns.* 1026, & cop. in
- Sisarum majus*. *Dalech.* 723.
- Sisarum multis*. *Bauh. J.* iii. b. 153. *f.* 1.—*f.* 2, cop. in
- Siser vulgare*. *Park. theatr.* 945.
- Sju Sjin*. *Kaempf. amoen.* 818. *t.* 819. Cultivated in the city of Meaco in Japan.
- β *cuciparum*. Bulbs in the axillae of the branches. From
- Sisarum montanum coracense radice non tuberosa*. *Kaempf. amoen.* 817. *t.* 818.
- S. Ninsi*. *L. sp.* 361, from *Kaempf.*—*Thunb. jap.* 118. *Dryand. in linn. trans.* ii. 228.
2. *SIUM angustifolium*. Umbels opposite to the leaves. Peduncles as long as the umbels. Involucrum of several bractae. *Obs.* 958. On the sides of Kinson pool near Stafford.—*L. sp.* 1672 from Huds.—*Huds.* 119. *Bot. arrang.* 292. *Smith engl. t.* 139; *brit.* 313. *Jacq. austr.* i. *t.* 67.
- S. latifolium* β *L. sp.* 361.
- S. nodiflorum*. *Fl. dan. t.* 247.
- S. palustre alterum, foliis serratis*. *Tourn. paris.* 302.
- S. sive Apium palustre, foliis oblongis*. *Tourn. paris.* 302. *Vaill. paris.* 187. *Boerh.* i. 55. *Dill. ap. Raii syn.* 211.
- S. erectum umbellatum, sive Pastinaca aquatica*. *Raii hist.* 444; *syn. ed.* ii. 107.
- S. verum Matthioli*. *Dalech.* 1094.
- S. minus alterum*. *Park. theatr.* 1241.
- S. medium*. *Bauh. J.* iii. b. 174.
- Apium palustre*. *Fuchs.* 272. c. 104, cop. in



*Sium umbelliferum.* *Bauh. J.* iii. b. 173, and *abr.*  
*in*

*Sium odoratum.* *Trag.* 465.

*BERULA.* *Dale* 125. *Geoffr.* iii. 177.

*Sium.* *Rutty* 380.

*S. angustifolium.* *Pulteney in med. journ.* v. 196.

*Berle. Chom.* 539; *suppl.* 157.

3. *SIUM decumbens.*—Leaves pinnate; folioles pinna-  
tifid. Involucrum none. Involucella of 1 bractea.  
*From Lour.—Thunb. jap.* 118?  
*SIUM graecum.* *Lour.* i. 223.

4. *SIUM Visnaga.* Leaves multipinnate. Involucra  
bipinnate. *Obs.* 6578. In Mr. S. Shore's gar-  
den.

*Daucus Visnaga.* *L. sp.* 348. *Hort. kew.* i. 336.  
*Mill. Ph. dict. n.* 7.

*Seseli masiliense.* *Fuchs.* 747, c. 303, *cop. in*

*Seseli.* *Trag.* 878, &

*Visnaga.* *Bauh. J.* iii. b. 31. 32. *Boerh.* i. 49.

*Lob. obs.* 419, *cop. from*

*Visnaga Gingidium Matthioli.* *Dalech.* 710, *repr.*  
*in*

*Visnaga Gingidium Anguillarae.* *Lob. ic.* i. 726,

*Gingidium alterum,* *Dod.* 690, &

*Gingidium hispanicum.* *Ger. by Johns.* 1042, and  
*cop. in*

*Visnaga, Gingidium appellatum.* *Park. theatr.*  
890.

*Visnaga Gingidium Dodonaei.* *Dalech.* 711.

*Stem* glabrous, its scent approaching to that of  
*Conium maculatum.* *Leaves* tripinnate; segments  
setaceo-linear, resembling those of *Foeniculum vul-*  
*gare.* *Receptacle* of the umbel convex, fleshy.

*Radix* terete. *Involucella*, bracteae numerous, subulate. *Calyx* obsoletely dentate. *Petals* equal, obcordate, the point being involute. *Obs.* 6578.—*Seeds* semioovate, with 5 costae, the spaces between the costae somewhat hoary but glabrous. *Obs.* 6580. Specimen gathered in the Vienna garden.

*VISNAGA.* Dale 128. *Geoffr. suite iii.* 349.

## 264. SISON.

*Seeds* costate. *Petals* entire. *Corollae* equal. *Obs.* 6317. *L.*

1. *SISON canadense.* Leaves ternate and pinnate. Involucrum none. *Obs.* 6315. Specimen from Dr. Heise.—*Obs.* 6316. Specimen from Leske.—*L.—H. K. i.* 351.

*Myrrhis canadensis trilobata.* *Hist. ox. s. 9. t. 11. row 3. f. 4.*

*Leaves* ternate. *Obs.* 6315.—*Leaves* of the stem pinnate; lowermost pair of pinnae ternate; floral leaves ternate. *Obs.* 6316.

*SISON canadense.* *Schoepf* 36.

2. *SISON Ammi.* Leaves tripinnate; segments of the radical leaves linear, segments of the cauline leaves setaceous, those terminating the uppermost petioles longer. *L. sp.* 363. *Jacq. hort. t. 200.* Involucra and involucella none.

*Ammoides majus, odore origani.* *Boerh. i.* 49.

*Ammi alterum parvum.* *Dod.* 299, repr. in ed. ii. 301,

*Ammi perpusillum.* *Lob. obs.* 414, *ic. i.* 725, and

- Ger. by Johns.* 1037, and *cop. in Dalech.* 696,  
&  
*Ammi parvum, foliis foeniculi.* *Park. theatr.* 913.  
*Ammi semine tenuissimo et odoratissimo.* *Bauh. J.*  
*iii. b. 25.* In gardens.  
*Ammi.* *Cam. epit.* 522.  
*AMMI minus.* *Boeckl. ap. Herm.* 269.  
*Ammi creticum.* *Spielm.* 237.  
*Ammi verum.* *Pharm. austriaco-prov.* 17.—*Berg.*  
208. *Cartheus.* iii. 476. *Linn.* 94. *Monro* iii. 11.  
*Murr.* i. 260.  
*Ammi.* *Vog.* 173.

## 265. BUBON.

*Fruit ovate, striate. From L.*

1. *BUBON macedonicum.* Folioles rhombeo-ovate,  
inciso-dentate; teeth acuminate. Umbels very nu-  
merous. Seeds hairy. *Hort. kew.* i. 351. *L. sp.*  
364. *Lour.* i. 224.  
*Apium macedonicum.* *Boerh.* i. 59.  
*Petroselinum macedonicum.* *Dalech.* 703. *Lob. obs.*  
406, *repr. in ic.* i. 708,  
*Petroselinum macedonicum ex Lobelio.* *Dod.* 685,  
*Petroselinum macedonicum verum.* *Ger. by Johns.*  
1016, & *cop. in*  
*Petroselinum macedonicum quibusdam.* *Park. theatr.*  
924.  
*Apium, sive Petroselinum macedonicum multis.*  
*Bauh. J.* iii. b. 102.  
*PETROSELINUM macedonicum.* *Berg.* 209.  
*Dale* 130. *Lew.* ii. 215. *Linn.* 94. *Mill.* *Jos.*



341. *Monro* iii. 221. *Murr.* i. 262. *Rutty* 386.  
*Spielm.* 63. *Vog.* 179.

*Apium macedonicum.* *Alst.* i. 379. *Chom.* 214.

*Apium*, seu *Petroselinum macedonicum.* *Geoffr.*  
*suite* i. 387.

2. **BUBON gummiferum.** Folioles incise, acuminate,  
 the lower broader. Seeds glabrous. Stem frutes-  
 cent. *Hort. kew.* i. 352. *Mill. Ph. dict. n.* 4.

*Ferula africana galbanifera*, folio myrrhidis. *Com-  
 mel. hort.* ii. 115. t. 58. *Boerh.* i. 65.

**FERULA** africana, &c. as before. *Dale* 118.

## 266. CUMINUM.

*Seeds* tricostate, with 4 alternate ridges. *Petals*  
 emarginate. *Corollae* equal. *Obs.* 7729. *Cusson*  
*ap. Juss.* 221. *L.*

1. **CUMINUM Cyminum.** *L. sp.* 365; *mant.* 355.  
*Hort. kew.* i. 352. *Mill. Ph. dict. n.* 1. *Woodv.*  
 520. t. 191.

*Cuminum.* *Boerh.* i. 49. *Lob. adv.* 330. No fig.

*C. sativum.* *Cam. epit.* 518. (*Trag.* 876 is some  
 other plant.)

**CUMINUM.** Cummin. The seeds. *Pharm.*  
*lond.—Alst.* ii. 350. *Cartheus.* iii. 474. *Cull.* ii.  
 159. 364. *Geoffr.* iii. 382. *Herm.* 279. *Hill*  
 517. *Lew.* i. 390. *Linn.* 95. *Mill. Jos.* 164.  
*Monro* iii. 86. *Ploucq. bibl.* i. 698. *Quarin*  
*febr.* 292. 375. 376; *animad.* 235. *Spielm.* 263.  
*Vog.* 160.

*Cyminum.* *Pharm. succ.—Berg.* 211. *Dale* 121.  
*Heberd.* 13. 132. 309. *Murr.* i. 266. *Rutty* 159.



*C. Cyminum.* *Pharm. edin.—Lew. disp. by Dunc.*  
212. *Murr. J.* i. 205. *Pearson, R.* ii. 177.

*C. semine longiore.* *Chom.* 514.

*α hirsutum.* Ridges of the seeds hirsute. *Obs.* 7729.  
Seeds from the shops.

*Cyminum*, sive *C. seminibus villosis.* *Raii hist.*  
433.

*Cyminum*, sive *C. seminibus hirsutis seu villosis.*  
*Raii europ.* 111. Cultivated in Malta.

*C. semine longiore, hirsuto.* *Hist. ox. s.* 9. *t.* 2.

*C. seminibus villosis.* *Hist. ox.* 271.

*C. sativum.* *Dod.* 298, *repr. in*

*C. Dioscoridis.* *Lob. obs.* 428; *ic.* i. 742, &

*C. sativum Dioscoridis.* *Ger. by Johns.* 1066, and  
*cop. in*

*C. vulgare.* *Park. theatr.* 887.

Seeds whitish brown, flat on the inner side, convex on the outer; costae glabrous; intermediate ridges hispid; hairs divaricate, whitish. *Obs.* 7729.

*β glabrum.* Seeds glabrous. *From*

*Cyminum*, sive *C. sativum.* *Raii hist.* 433; *europ.*  
111. Cultivated in Malta.

*C. semine longiore glabro.* *Hist. ox.* 271.

*C. sive Cyminum sativum.* *Bauh. J.* iii. *b.* 22.

*C. sativum.* *Dalech.* 697.

## 267. OENANTHE.

*Calyx* quinquepartite; segments ovate. *Fruit* striate, crowned with the calyx and styles. *Obs.* 4049. *L.*

Inner flowers sessile.

1. *OENANTHE fistulifolia*. Involucrum none, or of 1 bractea. Stoloniferous. Cauline leaves pinnate. Petioles fistular. *Obs.* 5885. In wet ditches near Stafford.
- O. fistulosa*. *L. succ. n.* 250; *sp.* 365. *Bot. arrang.* 296. *Smith engl. t.* 363; *brit.* 317. *Fl. dan. t.* 846.
- O. aquatica*. *Raii syn.* 210, *Tourn. paris.* 290, *Vaill. paris.* 146, and *Boerh. i.* 51, are the plant in its more advanced stage of flowering.—*Lob. ic. i.* 731. *f.* 2, *repr. in*  
*Filipendula aquatica*. *Ger. by Johns.* 1060, & *cop. in*
- O. aquatica major*. *Park. theatr.* 1233, represents it in its more advanced stage of flowering.
- Juncus odoratus aquatilis*. *Dod.* 580, who says that when cultivated in a dry situation the roots produce tubers; *repr. in*
- O. aquatica*. *Lob. ic. i.* 731. *f.* 1, & *cop. in*
- O. aquatica minor*. *Park. theatr.* 1233. *Raii syn. ed. ii.* 106; *hist.* 441. *Boerh. i.* 51. In the first stage of its flowering, when only the first umbel has made its appearance.
- O. sive Filipendula aquatica*. *Bauh. J. iii. b.* 191. The larger fig. representing it in fruit, and the smaller in flower, both in its more advanced stages of growth.
- O. sive Filipendula aquatica altera*. *Tourn. paris.* 291. *Vaill. paris.* 146. In the earlier stage of flowering.
- O. juncoides minima*. *Park. theatr.* 895. In the earlier stage of flowering. No fig.
- O. aquatica triflora, caulibus fistulosis*. *Dill. ap. Raii syn.* 210. In its earlier stage of flowering.

*Leaves* pinnate; folioles lineari-lanceolate and lanceolate, solid. *Petioles* mostly twice, sometimes thrice as long as the leaves. *Umbels*, the first with 2 and 3 radii, the succeeding with from 5 to 7, sometimes proliferous the redundant branch bearing a compound umbel with an involucre of 6 bracteae. *Obs.* 5885.—*Leaves* the lower sometimes bipinnate. *Obs.* 5886.—Specimen gathered by M. Broussonet in the south of France.

*OENANTHE fistulosa.* *Krock. n.* 439.

*O. aquatica.* *Dale* 124.

2. *OENANTHE pimpinelloides.* Involucre of several bracteae. Folioles of the cauline leaves lineari-lanceolate. Tubers of the roots pedunculate. *Obs.* 7683. Specimen gathered by Mr. Skrimshire near Wisbeach. The account of the root from *Pollich n.* 291, and *Scop. carn. n.* 364. *L. sp.* 366. *Gouan hort.* 144; *monsp.* 188. *Bot. arrang.* 297. *Smith engl. t.* 347, tubers of the roots wanting;—*brit.* 318. *Jacq. austr. iv. t.* 394.

*O. apii folio.* *Magn. hort.* 188. *Vaill. paris.* 146.

*O. sive Filipendula monspessulana, folio apii.* *Bauh. J. iii. b.* 190. Near Montpellier.—*Magn. monsp.* 188.

*O. Il Matthioli.* *Dalech.* 783.

*O. apii folio, caule firmiore.* *Boerh. i.* 51.

*O. staphylini folio aliquatenus accedens.* *Raii syn.* 210. Found by Pluknet not far from Spalding in Lincolnshire.—(*Bauh. J. iii. b.* 191, might seem to be the plant from the great length of the folioles of the upper leaves, but there is no involucre, the umbel more resembles that of *Eriophorum*, and the roots are mostly sessile.

*Sisyr palustre*. *Dalech.* 724, differs in the tubers being sessile, and in the want of an involucre.)

*Stem* from 15 to 22 inches long, whitish green, striate. *Leaves* whitish green. *Umbels*, the first with 8 radii. the succeeding with 10. *Involucre* of the first umbels with from 1 to 4 bracteae, of the succeeding umbels with from 5 to 7 bracteae. *Involucra* three times shorter than the radii. *Involucella* shorter than the fruit. *Flowers* of the radius abortive. *Fruit* nearly sessile, prismatic. *Calyx* of the fruit one third shorter than the fruit; phylla triangular, the outer rather longer. *Obs.* 7683.—*Involucre* of 2 bracteae, subulate. *Involucella* subulate. *Obs.* 7684. Specimen gathered by M. Broussonett in the south of France.—*Leaves*, the lower tripinnate; folioles deltoid and rhombic, pinnatifid. *Obs.* 7685. Specimen gathered in Mr. Ballard's garden, 27 Oct.—*Leaves*, the lower tripinnate; folioles finely attenuate, an inch long; the upper pinnate, 7 inches long; folioles setaceo-linear, finely attenuate, 4 inches long. *Involucra* setaceous, nearly as long as the radii. *Involucella* setaceous, mostly longer than the radii. *Calyx*, phylla subulate, the outer somewhat longer, the longest about two thirds as long as the germen. *Obs.* 1379. Specimen probably from the same root as *Obs.* 7685, gathered in the garden of Mr. Ballard, who obtained the root from the Oxford garden.

*OENANTHE*. *Geoffr. suite i.* 222.

3. *OENANTHE inebrians*. Folioles of the lower leaves ovate, of the upper linear. Petioles angular. *Thunb. cap.* 49.



4. *OENANTHE crocata*. Folióles rhomboidal, those of the upper leaves pinnatifid; segments obtuse. *Obs.* 4051. Specimen gathered on the side of a rivulet between Wribblesford and Lower Arely Worcestershire in June.—*L. succ. n.* 251; *sp.* 365. *Bot. arrang.* 297. *Smith brit.* 319. *Lightf.* 162. *Woodv.* iv. 142. *t.* 267. *Jacq. hort.* iii. *t.* 55.

*O.* III. *Dalech.* 783.

*O. cicutae facie, succo viroso crocante.* *Lob. adv.* 326, *cop. in ic.* i. 730, *which repr. in*

*Filipendula cicutae facie.* *Ger. by Johns.* 1059, & *cop. in*

*O. alia Penae cicutae facie.* *Dalech.* 784,

*O. succo viroso, cicutae facie Lobelio.* *Bauh. J.* iii. 193, &

*O. cicutae facie Lobelii.* *Park. theatr.* 894. *Raii syn.* 210.

*O. cicutae facie.* *Pulteney in gent. mag.* xxy. 114.

*O. aquatica, succo viroso crocante.* *Watson in phil. trans. abr. by Hutt.* ix. 256. *t.* 6. *f.* 11, *abr. in*

*O. aquatica, cicutae facie.* *Gent. mag.* xvii. 322. *t. f.* 1. *a—i*

*Native of Sweden and Britain.*

*OENANTHE crocata.* *Mill. Ph. dict. n.* 1. *Pohl diss. de umbellif. venenos.* 8. *Pulteney in med. journ.* v. 192; *in phil. trans. for 1773, art.* 19, *account from in month. rev. for 1774, p.* 282, & *med. comment.* ii. 31.

*O. aquatica succo viroso.* *Vaughan in phil. trans. abr. by Lowth.* ii. 641, & *by Hutt.* iv. 242.

*Oenanthe.* *Lew.* ii. 157; *disp. by Rother.* 205.

DIGYNIA. 268. Phellandrium. 115

*O. petroselinifolium*, venenosa. Dale 123. Graves, Rob. in med. facts vii. 308.

Hemlock Dropwort. Houlston in med. journ. ii. 40.

5. OENANTHE? *chaerophyllea*. Leaves bipinnate; folioles lanceolate. Seeds not crowned. Gouan hort. 144, who says he had no opportunity of ascertaining its generic character.

*O. chaerophyllifolium*. Magn. hort. 146, in boggy ground near Versailles in flower and fruit.

*S. massiliense*. Cam. epit. 510, cop. in

*Seseli massiliense nuperorum*, folio aliquatenus similis visnagae. Bauh. J. iii. b. 33. In gardens at Montbelliard, Heidelberg, and Paris.

*Seseli massiliense nuperorum*. Lob. ic. i. 785, repr. from

*Seseli massiliense*. Lob. obs. 457, and repr. in Ger. by Johns. 1051. Raii hist. 414. Matth. 750, cop. in

*Seseli massiliensis* icon verior. Tab. ic. 105.

*S. massiliense ferulaefolium*. Bauh. Casp. pin. 161.

*SESELI massiliense*. Dale 116.

268. PHELLANDRIUM.

Fruit smooth. Calyx quinque-dentate. Petals obcordate. Obs. 5048. L.

1. PHELLANDRIUM *aquaticum*. Ramifications of the leaves divaricate. L. succ. n. 252; sp. 366. Bot. arrang. 298. Smith brit. 321; engl. t. 684. Woods. iv. 140. t. 266.

Phellandrium. *Tourn. paris.* 351. *Vaill. paris.*

159. *Boerh.* i. 56. *Dod.* 580, repr. in

*Cicutaria palustris.* *Lob. obs.* 424, and *ic.* i. 735,  
& *cop.* in

*Cicutaria palustris tenuifolia.* *Park. theatr.* 933,  
&

*P. vel Cicutaria aquatica quorundam.* *Bauh. J.*  
iii. b. 183. *Raii syn.* 215.

*Cicutaria palustris.* *Raii hist.* 452.

**PHELLANDRIUM.** *Berg.* 211. *Boerh.* 94.

*Dale* 127. *Hufeland*, account of in *ann. med.* iv.

275. *Mill. Jos.* 343. *Selig*, account from in

*med. rev.* i. 496. *Stern*, account from in *phys.*  
*journ.* vi. 95. *Vog.* 170.

*P. aquaticum.* *Coste and Willem.* in *med. comment.*

v. 298. *Hargens*, account from in *med. rev.* ii.

573. *Phys. journ.* iv. 377.

Wasser fenchel. *Selig*, account from in *phys. journ.*  
i. 384.

*Foeniculum aquaticum.* *Krock. n.* 440. *Lew. disp.*  
by *Dunc.* 345. *Murr.* i. 267.

*Cicutaria aquatica.* *Dufresnoy*, account from in  
*ann. med.* iv. 188.

β *fluitans.* (Variation.) Growing in running water.

From *L. β*, &

*Millefolium aquaticum.* *Dill. ap. Raii syn.* 216.

*Ger. by Johns.* 827, repr. from

*Myriophyllum* aut *Maratriphyllum palustre.* *Lob.*

*obs.* 460; which repr. in *ic.* i. 789, & *cop.* in

*Millefolium aquaticum vulgatius.* *Park.* 1256.

*Myriophyllum prius.* *Dalech.* 770.

*Millefolium aquaticum*, *foeniculo simile*, umbellife-  
rum. *Bauh. J.* iii. b. 8.

**MYRIOPHYLLON.** *Dale* 129.

## 269. CICUTA.

*Fruit sulcate. Petals equal, ovate, bowed in at the end. Calyx quinquepartite. Obs. 7482. L.*

1. *CICUTA virosa.* Folioles lanceolate; serratures acute. The bordered part of the petioles rounded at the end. *Obs. 7482.* On the edge of Kinson pool near Stafford. 8 July.—*L. suec. n. 253; sp. 366; mant. 355. Mill. Ph. dict. n. 1*, but though he speaks of having cultivated it, he describes the flowers, probably from Dodonaeus, as yellowish.—*Pollich n. 294. Huds. 122. Lightf. 164. Bot. arrang. 299. Smith brit. 322; engl. t. 479. Woodv. iv. 145. t. 268. Fl. dan. t. 208.*

*C. aquatica.* *Watson, in phil. trans. n. 480. p. 237. t. 45, cop. in abr. by Hutt. ix. 257. t. 6. f. 12; t. 7. f. 1.*

*Sium alterum.* *Dod. 579*, who describes the flowers as yellowish green, *cop. in*

*Sium majus alterum angustifolium. Park. theatr. 1241, &*

*C. aquatica Gesneri, Bauh. J. iii. b. 175, and repr. in*

*Sium alterum olusatrici facie. Lob. ic. i. 208, and Ger. by Johns. 258. Rati hist. 450; syn. 212.*  
(The last paragraph respecting the medical uses of *Sium* relates to *Sium angustifolium*.)

*Sium aquaticum, foliis rugosis trifidis et dentatis. Moris. umb. 63. t. 5.*

*Plant glabrous, of a strong scent. Stem erect,*  
\* *about 4 feet long, slightly striate, light green.*  
*Flowering branches, the lower alternate, shorter than the stem, the uppermost opposite, longer than*



the stem even before their umbels flower. *Leaves* bipinnate and sometimes tripinnate, 17 inches long; folioles often tripartite and bipartite; segments and folioles lanceolate, serrate; serratures whitish at the end. *Umbels* terminal, convex. *Peduncles* slightly striate, *Pedicles* to 28, striate. *Involucrum* none, and in the same plant of 2 bracteae. *Bracteae* 1 to 5, pinnatifid and incise, linear below. *Involucella* subulate, dentate, numerous, as long as and sometimes longer than the umbellulae. *Calyx* quinquepartite; segments triangulari-ovate, somewhat acuminate, patent. *Petals* white with a slight tinge of fleshcolour, with a very short unguis, acute. *Antherae* fleshcoloured. *Germen* glabrous, smooth. *Styles* 2, erect, connivent, short. *Obs.* 7482.

*CICUTA*. Linn. 96. Vog. 97.

*C. aquatica*. Berg. 212. *Jaugeon in acad. sci.* abr. by Southw. iii. 282. Krock. n. 442. Murr. i. 271. Neum. ii. 177. Ploucq. bibl. i. 411. Schreb. ap. Linn. 96.

2. *CICUTA maculata*. Folioles lanceolate; serratures mucronate. The bordered part of the petioles bilobate at the end. From *L. sp.* 367, and *Gron. virg.* 44.

*Aegopodium foliolis lanceolatis acuminatis serratis*, *Gron. virg. ed. i.* 32.

*Angelica caribaeorum elatior*, olusatris folio, flore albo, seminibus luteis striatis, cumini odore et sapore. *Fluk. alm.* 31; *phyt. t.* 76. f. 1.

*CICUTA maculata*. Bart. 18. Schoepf 36.

*C. venenosa*. Bart. 18. 46.

270. AETHUSA.

*Seeds* sulcate. *Petals* unequal, *Obs.* 5140. *L.*

1. AETHUSA *Cynapium*. Involucella longer than the umbellulae. *Obs.* 5140. In gardens spontaneously.—*L. succ. n.* 254; *sp.* 367. *Bot. arrang.* 300. *Curt. lond.* i. 18. t. *Smith brit.* 323; *engl.* t. 1192.

*Cicuta minor*, petroselino similis. *Tourn. paris.* 419. *Vaill. paris.* 37. *Boerh.* i, 56. Native of Holland.

*Cicutaria fatua*, quae minus foetida. *Lob. adv.* 327, No fig.

*Cicutaria fatua*. *Lob. ic.* ii. 280, cop. in

*Cicuta minor*, sive fatua. *Park. theatr.* 933, and repr. in

*Cicutaria tenuifolia*. *Ger. by Johns.* 1063. *Raii hist.* 451; *syn.* 215.

*Cicutaria apii folio*. *Bauh. J.* iii. b. 180, probably from a dried specimen, in which the involucella were pressed upwards.

*Gleisz. Trag.* 460. No fig.

AETHUSA *Cynapium*. *Buckhave in act. haun.* i. 51, and account from in *med. comment.* xiv. 37. *Krock, n.* 443.

*Cicuta minor*. *Dale* 127. *Geoffr.* iii. 327.

*Cicuta minor* petroselino similis. *Chom.* 781.

Lesser Hemlock. *Stevenson in phys. journ.* xiv. 425.

2. AETHUSA *Bunius*. Radical leaves pinnate; cauline leaves multipartite, with setaceous segments.

*L. a Murr.* 286. *Hort. kew.* i. 355. *Jacq. hort.* ii. t. 198.

*Carum Bunius.* *L. nat.* ii. 733.

*Bunium Dalechampii.* *Dalech.* 774, *cop. in Bauh. J.* iii. b. 29.

*BUNIMUM.* *Dale* 126.

## 271. CORIANDRUM.

*Fruit* spherical, simple and didymous. *Corolla* radiate, and uniform. *Petals* bipartite, the point in the middle bent in. *From L.*

1. *CORIANDRUM sativum.* *Fruit* globular. *L. sp.* 367. *Bot. arrang.* 302. *Huds.* 123. In cornfields near Ipswich and elsewhere in Essex.—*Relh.* n. 1110. In a cornfield near Cambridge.—*Woodv.* 492. t. 181. *Smith engl. t.* 67; *brit.* 320. *Dalech.* 735.

*C. majus.* *Vaill. paris.* 42. *Boerh.* i. 59.

*Coriannon, sive Coriandrum.* *Fuchs.* 345. *fol. ed. cop. in* 338. *ed. 12mo, c.* 131, &

*Coriandrum.* *Bauh. J.* iii. b. 89, and improved in *Trag.* 115. *Raii hist.* 470; *syn.* 221. Cultivated in Essex.—*Brunsf.* i. 203. *Dod.* 300, *repr. in Lob. obs.* 403; *ic.* i. 705, and *Ger. by Johns.* 1012, & *cop. in*

*C. vulgare.* *Park. theatr.* 918.

*C. minus odorum.* *Bauh. J.* iii. b. 91. The young plant, flowers, and fruit. (The rest of the fig. and the description belong to *C. didymum.*)

*Found* in cornfields, in Italy, Germany, and Essex, and on dunghills in other counties, but its native place of growth unknown.

**CORIANDRUM.** Coriander. The seeds. *Pharm. lond.*—*Alst.* ii. 349. *Berg.* 214. *Cartheus.* iii. 448. *Cull.* ii. 158. *Dale* 130. *Geoffr.* iii. 358. *Herm.* 300. *Hill* 518. *Krock.* n. 444. *Lew.* i. 368. *Linn.* 96. *Mill. Jos.* 151. *Monro* iii. 79. *Murr.* i. 278. *Rutty* 139. *Spiel.* 259. *Vog.* 176.

*C. sativum.* Seeds. *Pharm. edin.*—*Lew. disp. by Dunc.* 208. *Lour.* i. 225. *Murr. J.* i. 204. *Pearson, R.* ii. 176.

*C. majus.* *Chom.* 512.

2. **CORIANDRUM** *didymum*.—Fruit didymous. *L.*

*C. testiculatum.* *L. sp.* 367. *Hort. kew.* i. 356. *Gouan monsp.* 289. In cornfields at Selleneuve near Montpelier.

*C. minus testiculatum.* *Boerh.* i. 59. *Pluk. alm.* 120; *phyt. t.* 169. f. 2.

*C. alterum minus odorum.* *Lob. obs.* 404; *repr. in ic.* i. 706, and *Ger. by Johns.* 1012, *cop. in Dalech.* 735, *repr. in*

*Coriandri altera icon.* *Dod.* 300, & *abr. in*

*C. minus odorum.* *Bauh. J.* iii. b. 91. (The young plant flowers and fruit belong to *C. sativum.*)

*C. minus testiculatum.*, *Magn.* 78. On the borders of cornfields near one of the gates of Montpelier.

**CORIANDRUM** *testiculatum.* *Krock.* n. 445. *Lour.* i. 225.

272. SCANDIX.

*Seeds* rostrate. *Corolla* radiate; *petals* emarginate. *Obs.* 121. *L.*—*Boerh.* i. 70.



1. *SCANDIX pectinifera*. Rostra longer than the seeds. *Obs.* 121. In cornfields near Worcester.

*S. Pecten*. *L. a Murr.* 287. *Jacq. austr.* iii. t. 263. *Fl. dan.* t. 844. *Bot. arrang.* 304. *Curt. lond.* v. 21. t. 249. *Krock.* n. 446.

*S. Pecten veneris*. *L. sp.* 368. *Smith brit.* 324; *engl. t.* 1397. *Dod.* 689, *repr. in*

*Veneris pecten Plinii*. *Lob. ic.* i. 726, &

*Pecten veneris, sive Scandix*. *Ger. by Johns.* 1040, & *cop. in*

*S. vulgaris, sive Pecten veneris*. *Park. theatr.* 916.

*Pecten veneris, S. quorundam*. *Dalech.* 713.

*Pecten veneris*. *Bauh. J.* iii. b. 71. *Cam. epit.* 304, (misprinted 302.)

*S. semine rostrato, vulgaris*. *Raii syn.* 207.

*Umbels* biradiate triradiate and uniradiate in the same plant. *Seeds* semiterete, brownish black, tricostrate; costae tawny; rostra subulate, half twisted round, ensiform, convex on the outer side, canaliculate on the inner side, 4 times longer than the seed; margin minutely aculeate. *Obs.* 121.

*SCANDIX*. *Dale* 120. *Geoffr. suite ii.* 408.

## 273. MYRRHIS.

*Seeds* oblong, sulcate and striate. *Petals* emarginate. *Corolla* radiate. *Obs.* 7704. *Scop. carn.* i. 207. *Roth germ.* i. 121. *Boerh.* i. 69. *div.* 1.

1. *MYRRHIS odorata*. *Scop. carn.* n. 341. In sub-alpine pastures.—*Roth germ.* i. 122; ii. 314. In Holstein, and on mount Meisner in Hesse.

*Scandix odorata*. *L. sp.* 368. In the mountains of Auvergne, and on the borders of the Veronese and Vicentine territories.—*Huds.* 124. Hedges and orchards in Westmorland, Cumberland, and Lancashire, but probably the refuse of gardens.—*Lightf.* 166. Frequent in the Lowlands of Scotland, but always near houses.—*Sibth. prodr. n.* 684. Shady woods in Asia minor.—*Northumb. guide* i. 28. In woods.—*Bot. arrang.* 303. *Smith brit.* 323; *engl. t.* 697. *Jacq. austr. v. app. t.* 37.

*Myrrhis*. *Dod.* 689, repr. in *Lob. ic.* i. 734, & *Cerfolium magnum*, sive *Myrrhis*. *Ger. by Johns.* 1039, & *cop. in*

*M. major vulgaris*, sive *Cerfolium majus*. *Park. theatr.* 935.

*M. magno semine longo sulcato*. *Bauh. J.* iii. b. 77. *Raii hist.* 431.

*Seeds* lanceolate, attenuate at the end, semiterete, flat on the inner side; outer side convex, sulcate; angles 4, acute with scattered stiffish hairs. *Obs.* 7704. Specimen gathered on the top of Souston Roch in the parish of Shelsley Walsh Worcestershire, on limestone, not far from a cottage.

*Native* of Lombardy, Carniola, Auvergne, Austria, Holstein, Northumberland, and of Westmorland having seen a specimen gathered by Mr. Gisborne on the edge of a wood near Elter-water in Langdale Westmorland.

**MYRRHIS.** *Dale* 121. *Geoffr. suite* i. 98. *Mill. Jos.* 121.

*Scandix odorata*. *Bryant* 112.

*Cerfolium hispanicum*. *Berg.* 215. *Chom.* 499.

## 274. CHAEROPHYLLUM.

*Seeds* oblong, attenuate, smooth. *Corolla* radiate.

*Obs.* 5894. *L.*—*Boerh.* i. 70.

1. CHAEROPHYLLUM *Cerrefolium*. Stem smooth, glabrous. *Obs.* 409. Hedges close to the city of Worcester, and in the village of Old Swinford in Worcestershire.—*Roth germ.* ii. 320.

*Scandix Cerrefolium*. *L. suec. n.* 255, in cornfields;—*sp.* 368. *Bot. arrang.* 304. *Jacq. vind.* 49. Hedges and vineyards.—*Roth germ.* i. 122. In cornfields, on the sides of roads, and on rubbish, throughout almost all Germany.—*Smith brit.* 1394; *engl. t.* 1268. *Gouan hort.* 146. A weed in gardens;—*monsp.* 289. *Host* 162. On the sides of woods and in hedges.—*Jacq. austr.* iv. t. 390.

*C. sativum*. *Raii hist.* 430. *Boerh.* i. 70.

*Gingidium*, sive *Chaerrefolium*. *Fuchs.* 216, c. 78, *cop in*

*Chaerephyllon*. *Bauh. J.* iii. b. 75, &

*Chaerrefolium*. *Dod.* 688, & *abr. in Trag.* 471.

*Cerrefolium*. *Dalech.* 711.

*Cerrefolium descriptum*. *Lob. ic.* ii. 280, *repr. in*

*Cerrefolium vulgare sativum*. *Ger. by Johns.* 1038, & *cop. in*

*Cerrefolium sativum*. *Park. theatr.* 915.

*Cerrefolium vulgare*. *Park. parad. t.* 493. f. 6.

*Native of Europe from Austria to Sweden, and of the south of France, and seminaturalised in England.*

*CEREFOLIUM*. *Pharm. austriaco-prov.* 28. *suec.*—*Berg.* 217. *Krock. n.* 447. *Lew. disp. by*

*Rother.* 136; *by Dunc.* 347. *Linn.* 97. *Murr.* i. 280. *Schrod.* 560.

*Chaerophyllum.* *Geoffr.* iii. 293. *Neum.* iii. 181. *Quarin animad.* 66. *Rutty* 116. *Spielm.* 49.

*C. sativum.* *Chom.* 499; *suppl.* 148.

*Chaerifolium.* *Dale* 120. *Lew.* i. 318. *Mill. Jos.* 129. *Monro* iii. 55. *Ploucq. bibl.* i. 655. *Vog.* 58.

*Scandix Cerefolium.* *Bryant* 110.

2. **CHAEROPHYLLUM bulbosum.** Stem smooth, swollen at the joints, hirtose at the base. *L. a Murr.* 288; *sp.* 370; *mant.* 356. *Hort. kew.* i. 357. *Jacq. austr.* i. t. 63.

*Myrrhis caule inferne hirsutissimo, superius glabro.* *Willich obs.* 43. n. 79.

*Myrrhis annua, semine striato laevi, tuberosa, nodosa, coniophyllum.* *Pluk. alm.* 249; *phyt. t.* 206. f. 2. *Boerh.* i. 69.

*Cicutaria odorata, bulbosa.* *Bauh. J.* iii. b. 183. In Alsace and Switzerland.—*Rati hist.* 429.

*Bulbocastanum coniophyllum.* *Cam. hort.* 31. No fig.

*Cicutaria pannonica.* *Clus. pann.* 703; *hist.* ii. 200. No fig.

**CHAEROPHYLLUM bulbosum.** *Krock. n.* 451. *Willich, A. diet* 329.

3. **CHAEROPHYLLUM sylvestre.** Stem striate; internodia swollen at the end. *Obs.* 5894. In pastures.—*L. sp.* 369; *mant.* 356; *a Murr.* 288. *Bot. arrang.* 306. *Curt. lond.* iv. 25. t. 273. *Jacq. austr.* ii. t. 149. *Smith engl. t.* 752. *Scop. carn. n.* 366. *Host* 164. *Pollich n.* 298.



126 PENTANDRIA. 274. Chaerophyllum.

Chaerophyllum sylvestre perenne, cicutae folio. *L. lapp. n.* 104. *Tourn. paris.* 186. *Vaill. paris.* 33. *Boerh. i.* 70.

Cicutaria vulgaris. *Bauh. J. iii. b.* 181. No fig.  
—*Raii hist.* 429; *syn.* 207.

Myrrhis. *Cam. epit.* 898. *Fuchs.* 510, *cop. in*

Myrrhis Fuchsii. *Dalech.* 761, &

Cicutariae quodammodo similis, vel chaerephylo  
-accedens. *Bauh. J. iii. b.* 181. (The name and  
description belong to Scandix Anthriscus.)

Cerfolium sylvestre perenne, seminibus laevibus ni-  
gris. *Hist. ox. s. 9. t. 11. row 1. f. 5.*

Cow-weed. *Petiv. herb. t. 25. f. 2.*

**CICUTARIA.** *Berg.* 219. *Krock. n.* 450. *Linn.*  
97. *Murr. i.* 283.

Cicutaria vulgaris. *Dale* 120.

4. **CHAEROPHYLLUM temulentum.** Stem scabrous;  
joints tumid. *L. suec. n.* 258. *Curt. lond. vi. t.*  
384. *Jacq. austr. i. t. 65. Fl. dan. t. 918.*  
*Smith engl. t. 1521; brit. 326. Sibth. ox. n. 310.*

**C. temulum.** *L. sp.* 370; *a Murr.* 288; *a Reich.*  
*i. 710; a Willd. i. 1454. Bot. arrang. 307. Pol-*  
*lich n. 300.*

Cerfolium sylvestre. *Raii syn.* 207. *Ger. by*  
*Johns.* 1038, *cop. in Park. theatr.* 915. *Tab. ic.*  
94.

Myrrhis annua vulgaris, seminibus leviter striatis,  
caule fusco. *Hist. ox. s. 9. t. 10. f. 7.*

Wild Chervil. *Petiv. herb. t. 25. f. 3.*

**CHAEROPHYLLUM temulentum.** *Krock. n.*  
452.

## 275. SESELI.

*Seeds sulcate. Petals emarginate. Corollae equal.*  
*Obs. 7712. L.*

1. *SESELI tortuosum*. Stem rigid. Folioles linear, fasciculate. From *L. sp.* 373. *Pollich n.* 302, who says the germina are glabrous.—*Hort, kew.* i. 360.

*Foeniculum tortuosum. Bauh. J.* iii. b. 16. About Montpellier.—*Raii hist.* 460. In the south of France, and about Messina in Sicily.

*Foeniculus tortuosus. Dalech.* 749.

*S. massiliense, folio foeniculi crassiore. Magn. monsp.* 239. *Lob. adv.* 352, repr. in ic. i. 785, & cop. in

*S. massiliense folio foeniculi, quod Dioscoridis censetur. Park. theatr.* 903, &

*S. massiliense Penae. Dalech.* 749.

*S. massiliense. Dod.* 309. No fig.

*S. massiliense Dioscoridis. Clus. hist.* ii. 199. About Salamanca, and in the south of France. No fig.

Native of Sicily, Spain, the south of France, and the Palatinate.

*SESELI massiliense. Boeckl. ap. Herm.* 295. *Chom.* 520. *Dale* 129. *Lew.* ii. 366. *Murr.* i. 283. *Spielm.* 298.

## 276. THAPSIA.

*Fruit bordered, oblong. L.*

1. THAPSIA *trifoliata*. Leaves ternate; folioles ovate,  
*L. sp.* 376. *Donn* 60.

Sium folio infimo cordato, caulinis ternatis, omnibus  
 crenatis. *Gron. virg.* 43.

THAPSIA *trifoliata*. *Schoepf* 37.

2. THAPSIA *foetida*. Folioles multifid, attenuate at  
 the base. *L. sp.* 375. *Mill. Ph. dict. n.* 3.  
*Donn* 60. *Gouan hort.* 148.

*T. foliis apii, foetidissima, flore luteo.* *Boerh. i.*  
 60.

*T. carotae folio.* *Tourn. hort.* 171.

*T. carotae facie.* *Bauh. J. iii. b.* 187. In the  
 Montbeliard garden.

*T. herbariorum vulgaris, carotae effigie.* *Lob. adv.*  
 350. No fig.

*T. vulgaris carotae effigie.* *Lob. obs.* 452, repr. in  
*ic. i.* 780, &

*T. vulgaris.* *Ger. by Johns.* 1031, & cop. in

*T. vulgaris carotae effigie, et Thapsiae carotae folio*  
*summitates.* *Park. theatr.* 878, is referred to by  
*J. Bauhine*, but the segments of the leaves are  
 linear, whereas those in *J. Bauhine's* are rhombic.

THAPSIA. *Mill. Jos.* 434.

3. THAPSIA *garganica*. Leaves glabrous, pinnate;  
 folioles sessile, pinnatifid; segments lanceolate,  
*From L. mant.* 57. *Donn* 60.

*T. sive Turbith garganicum, semine latissimo.*  
*Bauh. J. iii. b.* 50, from a specimen brought from  
 Italy by Caspar Bauhine, is represented as having  
 involucria.—*Tourn. hort.* 170. *Boerh. i.* 60. *Raii*  
*hist.* 418; *europ.* 245.

*T. thalictri folio.* *Magn. monsp.* 284. *t.* from Af-  
 rica 283; *hort.* 193.

**THAPSIA.** Dale 117.

4. **THAPSIA maxima.** Leaves pinnate; folioles very broad, pinnatifid, villose underneath. Petioles decurrent. *Mill. Ph. dict. n. 2.* Place of growth from

**T. III.** *Clus. hist. ii. 192.* No fig.

**T. maxima,** latissimo folio. *Tourn. hort. 170.*  
*Boerh. i. 60. Raii hist. 419. Magn. hort. 193.*

**T. salmanticensis,** sive III Clusii, magna, flore luteo, semine lato. *Bauh. J. iii. b. 186.* No fig.

**THAPSIA salmanticensis.** *Clus. hisp. 431.*

5. **THAPSIA villosa.** Folioles dentate, villose, coadunate at the base. *L. sp. 375. Hort. kew. i. 360. Mill. Ph. dict. n. 1. Gouan hort. 148,* near the sea not far from Montpellier, where called Malherbe;—*monsp. 222. Sibth. prodr. n. 700* In plains in the isles of Patmos and Cyprus.—*Asso n. 266.*

**T. latifolia villosa.** *Tourn. hort. 170. Boerh. i. 60.*

**T. quorundam,** hirsuta et aspera, cicutae folio, flore luteo, semini lato, aliis Seseli peloponesiacum. *Raii hist. 418. Magn. monsp. 249. Bauh. J. iii. b. 185,* root, leaves, and the uppermost of the 6 seeds, *cop. in*

**Thapsiae seminum** 5 genera, cum folio et radice latifoliae. *Park. theatr. 878. f. 5.* The seed emarginate at each end, and the angles rounded.

**T. latifolia.** *Clus. hisp. 430,* on rocky hills in Portugal and Spain, *repr. in Ger. by Johns. 1030,*

**Thapsia I.** *Clus. hist. ii. 192,*



Seseli peloponense majus. *Lob. obs.* 424; *ic.* i. 736,  
&

Seseli peloponnense ut putatur. *Dod.* 311, *cop. in*  
T. I Clusii latifolia, flore luteo, semine lato, similis  
Seseli peloponnensi Lobelii. *Bauh. J.* iii. b. 186,  
& *ill cop. in*

T. latifolia hispanica. *Park. theatr.* 877. The se-  
parate seed emarginate at the end, and the angles  
acute.—*Raii hist.* 418.

Seseli peloponnense, folio cicutae. *Lob. adv.* 327,  
*repr. in ic.* i. 735.

*Leaves* bipinnate; folioles sessile, pinnatifid; seg-  
ments inciso-dentate; teeth ovato-triangular, cuspi-  
date. *Obs.* 7716. Specimen of a leaf gathered in  
Fothergill's garden.

*THAPSIA* latifolia messanensis. *Raii europ.* 245.

## 277. PASTINACA.

*Seeds* bordered, compressed, even, tricostate in the  
middle. *Petals* entire. *Corollae* equal. *Obs.*  
3060. *L.*

Differs from *Heracleum* in the form of the petals,  
and from *Anethum* in the surface of the outer side of  
the seed being even.

1. *PASTINACA sativa.* Involucrum and involucella  
none. *Leaves* pinnate; folioles serrate. *Obs.*  
7723. Specimen gathered near Worcester on marle.  
—*L. sp.* 376; *succ. n.* 259, naturalised;—*ups.*  
66. *Bot. arrang.* 309. *Smith brit.* 328; *engl. t.*  
556.—*Northumb. guide* i. 28.

*P. sylvestris.* *Huds.* 125. On the borders of fields  
in calcareous soil.—*Sibth. ox.* 101.

Native of Europe, and of England on limestone and marle.

*PASTINACA*. Pharm. austriaco-prov. 55. suec.

—Linn. 98. Murr. i. 284.

*P. sativa*. Bryant 39. Krock. n. 464.

α *sylvestris*. (Variation.)

*P. sylvestris latifolia*. Raii syn. 206. Tourn. 125.

Vaill. paris. 157. Boerh. i. 66.

*Sisarum sylvestre*. Fuchs. 710. c. 288, cop. in

*P. germanica sylvestris*, quibusdam *Elaphoboscum*.

Bauh. J. iii. b. 149, &

*Elaphoboscum Dodonaei*, seu *Baucia*. Dalech. 721.

*PASTINACA sylvestris*. Dale 115. Geoffr. suite i. 338.

*Pastinaca*. Murr. i. 284. Ploucq. bibl. i. 485. Vog. 179.

*Elaphoboscum*. Lew. ii. 189.

*P. sylvestris latifolia*. Mill. Jos. 335.

β *edulis*. (Variation.) Folioles broader than those of α. Cultivated.—*L. sp. β*. Huds. β. Bot. arrang. β.

*Sisarum sativum magnum*. Fuchs. 709. c. 288, cop. in

*P. latifolia sylvestris*. Dod. 669, which repr. in Ger. by Johns. 1025, &

*P. sativa latifolia germanica*, luteo flore. Bauh. J. iii. b. 150. f. 1.—f. 2.

*Elaphoboscum Matthioli*. Dalech. 721.

*P. sativa latifolia*. Boerh. i. 67. Park. parad. 506. t. 507. f. 2, cop. from

*P. domestica vulgi*. Lob. ic. i. 709, which cop. in

*P. latifolia sativa*. Park. theatr. 944, and repr. in Dod. 669, and Ger. by Johns. 1025. Raii syn. 206.

*Seeds* slightly convex on the outer side, obovato-oval, emarginate at the end; costae rather indistinct, with rufous streaks between the costae extending from the apex to below the middle. *Obs.* 3060. In a garden.

*PASTINACA sativa.* *Bryant* 39. *Cartheus.* ii. 165. *Geoffr. suite* i. 335. *Hermbstaedt, account from in phys. journ.* iv. 349. *Pearson, R.* i. 57.

*Pastinaca.* *Berg.* 222. *Dale* 115. *Lew.* ii. 189; *disp. by Rother.* 215. *Schoepf* 36. *Spiclm.* 61.

*P. hortensis.* *Mill. Jos.* 335.

*P. sativa latifolia.* *Chom.* 519; *suppl.* 152. *Rutty* 381.

*Parsneps.* *Lew. in Neum.* ii. 73.

2. *PASTINACA involucrata.* Involucra and involu-cellula. Leaves pinnate and bipinnate. Folioles unequal at the base, crenate. Petioles hispid. *Obs.* 7722. Specimen of a leaf gathered by M. Broussonett probably near Montpellier.—

*P. Opopanax.* *Sibth. prodr. n.* 705. *Gouan hort.* 149; *monsp.* 223; *ill.* 19. *t.* 13. 14. *L. sp.* 376; *mant.* 357; *a Murr.* 290. *Hort. kew.* i. 361. *Mill. Ph. dict. n.* 3. *Woodv.* 309. *t.* 113.

*Laserpitium Chironium.* *L. sp.* 358, according to Gouan, and Haller, the latter of whom compared specimens of Gouan's plant with those in the herbarium of Bauhine.—*Gouan hort.* 140, near Montpellier;—*monsp.* 218.

*P. foliis decomposito-pinnatis.* *L. cliff.* 105. *Royen* 114.

*P. sylvestris altissima.* *Boerh.* i. 67. *n.* 3, 7.

*Panax herculeum majus.* *Raii hist.* 410; *europ.* 197. Near Puzallu in Sicily.



*Pseudocostus.* *Cam. epit.* 28, *cop. in*  
*Panax sphondyllo* vel potius *pastinacae germanicae*  
*affinis*, sive *Pseudo-costus flore luteo.* *Bauh. J.*  
*iii. b.* 157.

*Panax costinum*, sive *Pseudo-costus Matthioli.* *Park.*  
*theatr.* 949, but the serratures of the leaves omitted,  
 &

*Panax costinum.* *Hist. ox. s. 9. t. 17. row 1.*  
*Magn. monsp.* 197. *Tourn. hort.* 169.

*Panax Heracleum.* *Hist. ox. iii.* 315.

*Costus.* *Matth.* 53, *cop. in*

*Panaces costinum.* *Tab. ic.* 81.

*Pseudocostus.* *Dalech.* 758.

*Panax altera recentiorum olusatrici aut pastinacae folio.* *Lob. adv.* 312. No fig.—*ic. i.* 702, folioles represented as entire at the margin, *repr. from*

*Panax altera.* *Lob. obs.* 400, & *repr. in*

*Panaces peregrinum.* *Dod.* 306; *ed. ii.* 309, &

*Panax Heracleum majus.* *Ger. by Johns.* 1003, &  
*cop. in*

*Panax Chironium Dodonaci.* *Dalech.* 741,

*Panax Heracleum alterum*, sive *peregrinum Dodonaci.* *Park. theatr.* 949, &

*Panax pastinacae folio.* *Hist. ox. s. 9. t. 17. row*  
*1. f. 1.*

*Panaces Herculeum II.* *Tab. ic.* 80.

*Leaf* bipinnate,  $1\frac{1}{2}$  foot long, 11 inches broad; folioles crowded, incumbent, ovate, obtuse, entire, the posterior half gibbous at the base the anterior half as if cut off, obtusely crenate; primary folioles bijugate with an odd one; anterior pair of folioles confluent at the base; terminal folioles semi-decurrent. *Petiole* with deflex strigae. *Obs.* 7722.

*OPOPANAX.* A gum resin. *Ph. lond.—Alst.*



ii. 443. *Berg.* 223. *Cartheus.* iii. 338. *Chom.* 77. 191. *Cull.* ii. 370. *Fordyce, G. fcv.* iv. 141. *Geoffr.* ii. 641. *Herm.* 702. *Hill* 763. *Lewis* ii. 170; *disp. by Dunc.* 274. *Linn.* 98. *Mill. Jos.* 321. *Monro* ii. 394. *Murr.* i. 286. *Neum.* ii. 53. *Pomet* i. 257. *Rutty* 367. *Spieln.* 223. *Vog.* 325.

*P. Opopanax.* *Pearson, R.* i. 295; ii. 193.

*Panax Herculeum.* *Dale* 115.

*Panax.* *Lew.* ii. 190.

## 278. SMYRNIUM.

*Seeds* united by their inner margins; outer side with 3 angles; inner edge acute. *Petals* lanceolate. *Obs.* 5159. 7690. *L.*

1. *SMYRNIUM perfoliatum.* Cauline leaves simple, amplexicaul. *L. sp.* 376. *Hort. kew.* i. 361.

*α rotundifolium.* Floral leaves rounded. *Obs.* 7690. Specimen gathered in Fothergill's garden.

*S. rotundifolium.* *Mill. Ph. dict. n.* 2.

*S. peregrinum, rotundo folio.* *Boerh.* i. 54.

*S. amani montis.* *Dad.* 686, *repr. in*

*Smyrnum.* *Lob. ic.* i. 708,

*S. creticum.* *Ger. by Johns.* 1024, & *cop. in Park. theatr.* 930,

*S. verum Dioscoridis.* *Dalech.* 707, &

*S. creticum, perfoliatum.* *Bauh. J.* iii. b. 125.

*S. creticum Matthioli.* *Dalech.* 707.

(*Perfoliata.* *Dalech.* 791, is *Bupleurum perfoliatum.*)

*Fruit* slightly compressed, transversely oval, emar-

ginate, rufous black, 1 tenth of an inch broad. *Obs.* 7690.

*SMYRNIUM* perfoliatum. *Bryant* 70.

β *acutifolium*. Floral leaves acute. *Obs.* 7689. Specimen gathered in the Utrecht garden.

*S. perfoliatum*. *Mill. Ph. dict. n. 8.*

*S. peregrinum*, folio oblongo. *Bauh. J. iii. b. 126.*

No fig.—*Boerh. i. 54.*

*HIPPOSELINUM*. *Col. ecphr. ii. 15. t. 21.*

2. *SMYRNIUM Olusatrum*. Cauline leaves ternate; folioles serrate. Umbels terminal. *Obs.* 5159. Specimen gathered by Mr. Hollisear at Pirton Worcestershire.—*L. sp. 376. Bot. arrang. 310. Smith engl. t. 230; brit. 328. Lightf. 168.* Found by Parsons on the sea shore at Dunglass.—*Mill. Ph. dict. n. 1.*

*Smyrnium*. *Tourn. paris. 533. Vaill. paris. 208. Boerh. i. 54. Dill. ap. Raii syn. 208.* Observed by James Sherard near Deptford, Battersea, and Nottingham.

*S. Matthioli.* *Dalech. 707.*

*Petroselinon alexandrinum*. *Trag. 436.*

*Hipposelinum*, seu *Olus atrum*. *Fuchs. 323, c. 124, cop. in*

*Macerone*, quibusdam *S. semine magno nigro. Bauh. J. iii. b. 126, root and leaves.*

*Hipposelinum*. *Raii syn. ed. ii. 104.* On rocks on the shore of the isle of Prestholm on the eastern coast of Anglesea, and on the sea shore near Berwick, and about Scarborough castle.—*Dod. 686, repr. in Ger. by Johns. 1019, &*

*Hipposelinum*, sive *Olusatrum Dioscoridis, macedonicum belgarum. Lob. ic. i. 708, & cop. in*

Hipposelinum, sive *S. vulgare*. *Park. theatr.* 930.

*Smirnum* Dioscoridis. *Col. ecphr.* ii. 15.

*Leaves*, the lower similar to those of *Apium graveolens*. *Petals* oblong below, subulate above.

*Obs.* 7689:—Very similar in habit to *Ligusticum biternatum*. *Leaves*, the lower biternate; folioles of the lower leaves subrotundo-trapeziform and subrotundo-rhombic, the lower unequally trifid, sometimes with a fissure only in the lower half, the upper unequally tripartite; folioles of the upper leaves rhombic, acute. *Fruit* rufous black, glabrous. *Obs.* 5159.

*SMYRNIUM*. \* *Chom.* 213. *Geoffr. suite* iii. 79.

*Hipposelinum*. *Dale* 123. *Lew.* i. 497. *Mill. Jos.* 232. *Rutty* 236.

*S. Olusatrum*. *Bryant* 69.

*Alexanders*. *Clegh.* 24.

## 279. ANETHUM.

*Seeds* bordered, flat on the inner side, on the outer convex, sulcato-tricostate in the middle. *Petals* entire. *Corollae* equal. *Obs.* 7705. *L.*

1. *ANETHUM graveolens*. *Fruit* oval. *Obs.* 7705.

Specimen of the seeds from the shops.—*L. sp.*

377. *Hort. kew.* i. 362. *Woodv.* 439. *t.* 159.

*Anethum*. *Fuchs.* 30. c. 9, *cop. in Trag.* 450, and *Bauh. J.* iii. b. 6. *Dalech.* 691. *Dod.* 296, *repr. in Lob. obs.* 449; *ic.* i. 776, and *Ger. by Johns.* 1033, & *abr. in Park. parad. t.* 493. *f.* 4.

*A. hortense*, sive *vulgare*. *Park. theatr.* 886.

*ANETHUM*. *Dill.* The seeds. *Pharm. lond.*

—*Alst.* ii. 83. *Berg.* 224. *Cartheus.* iii. 478.



- Cull.* ii. 156. *Dale* 117. *Gcoffr.* iii. 91. *Herm.* 277. *Hill* 521. *Lew.* i. 83; *disp. by Dunc.* 143. *Linn.* 99. *Mill. Jos.* 39. *Monro* iii. 15. *Murr.* i. 288. *Ploucq. bibl.* i. 698. *Rutty* 27. *Schrod.* 533. *Spielm.* 238. *Underw.* iii. 146. *Vog.* 50. 157.
- A. graveolens.* *Murr. J.* i. 205. *Pearson, R.* i. 169.
- Dill. Underw.* i. 123.
- Aneth.* *Chom.* 516; *suppl.* 151.

## 280. CARUM.

*Seeds quinquecostate. Petals emarginate, unequal.*  
*Corolla uniform. Obs.* 5741. *L.*

1. **CARUM Carui.** Leaves pinnate; folioles sessile; segments lineari-lanceolate. *Obs.* 5741. In a garden.—*L. lapp. n.* 105; *succ. n.* 260; *sp.* 378. *Bot. arrang.* 312. *Smith brit.* 330; *engl. t.* 1503. *Jacq. austr.* iv. t. 393. *Woodv.* i. 125. t. 45. *Lob. ic.* i. 724, *repr. from*  
*Carum. Lob. obs.* 418, *which repr. in Dod.* 297, *cop. in*  
*C. vulgare. Park. theatr.* 910, & *repr. in*  
*C. sive Carcum. Ger. by Johns.* 1034. Folioles petiolate.—*Raii cat. ed.* ii. 55. In the fens of Lincolnshire, in low pastures about Hull, and in Jesus college closes Cambridge;—*syn.* 213. Found by James Sherard in Norfolk, and in Christ college meadows Cambridge.
- Carvi. Tourn. paris.* 253. *Vaill. paris.* 30.
- Careum, vel Carui. Fuchs.* 391. c. 151, *cop. in*
- Caros. Trag.* 455, & *Bauh. J.* iii. b. 69.



*Carum.* *Cam. epit.* 516. *Dalech.* 694. Folioles petiolate, an error probably cop. by Plantins engravers in Lob. &c.

*Leaves*, primary folioles sessile. *Involucrum* of 1 and 2 bracteae and none, in the same specimen. *Stipulae* 2, opposite, at the base of the petioles, multipartite. *Obs.* 5741.

*CARUM.* *Cull.* ii. 157. *Dale* 125. *Mill. Jos.* 119. *Murr.* i. 292. *Rutty* 98. *Schrod.* 556. *Spielm.* 246.

*Carui.* *Lew.* i. 289. *Vog.* 159.

*Carvi.* *Pharm. succ.—Alst.* ii. 341. *Berg.* 228. *Cartheus.* iii. 471. *Chom.* 512. *Geoffr.* iii. 265. *Hill* 516. *Herm.* 279. *Krock. n.* 465. *Linn.* 99. *Monro* iii. 50. *Ploucq. bibl.* i. 203. *Quarin febr.* 376.

*C. Carui.* Seed. *Pharm. edin.—Bryant* 28. *Lew. disp. by Dunc.* 179. *Murr. J.* i. 203; ii. 173.

*Caruon.* *Pharm. lond.*

*Carraway.* *Underw.* i. 123.

2. *CARUM Meum.* Leaves decompose; segments setaceous. *Obs.* 8141. In fruit in Mr. Knowlton's garden. July.

*Meum athamanticum.* *Jacq. austr.* iv. 2. t. 303. *Smith brit.* 308.

*Aethusa Meum.* *L. a Murr.* 287. *Bot. arrang.* 301. *Hort. kew.* i. 355.

*Athamanta Meum.* *L. sp.* 353. *Krock. n.* 415.

*Meum.* *Raii syn.* 207. In meadows and pastures between Sedberg and Orton Westmorland, and near Dolgehle Merionethshire, and found by Richardson near Scholefield hall not far from Roachdale Lancashire.—*Dalech.* 759. *Cam. epit.* 7.

*Tab. ic. 74. Lob. adv. 347, found by Turner on the Cheviot hills; repr. in*

*Daucus creticus Fuchsii. Lob. ic. i. 777. f. 2.—f. 1 repr. in*

*Meum. Lob. obs. 449, Dod. 302, Ger. by Johns. 1052, &*

*Daucus Meum. Clus. hist. ii. 198, & cop. in*

*Meum vulgatus. Park. theatr. 888.*

*Daucus creticus. Fuchs. 231. c. 85, cop. in*

*Meu vulgare, sive Radix ursina. Bauh. J. iii. b. 11, & abr. in*

*Daucus. Trag. 445.*

*Stem 23 inches long, erect, striate. Leaves 2 feet long. Involucrum permanent; bractee 1, 2, and 8, very short, subulate. Fruit obovato-oblong, slightly compressed, the sides with an angular depression at the commissures of the seeds. Seeds glabrous, semiterete, spatulato-lanceolate, quincostate, 1 costa at each margin, and 2 or 3 on the back. Obs. 8141.—Leaves, segments twice as broad as human hair, acute. Obs. 7685. Gathered in the garden of Mr. Roberts of Dolgethly from roots which grew on Garn mountain between Bala and Dolgethly.*

*Native of Spain, Italy, the Alps, the Hartz forest in Germany, Merionethshire, Northumberland, Westmorland, and Lancashire, in mountainous situations, & 2 plants of it were found by Mr. Gisborne in the forest of Needwood in Staffordshire, the soil of which is marle.*

*MEUM. Pharm. austriaco-prov. 50.—Alst. i. 482. Chom. 167. Cartheus. iii. 84. Dale 121. Geoffr. ii. 104. Herm. 27. Lew. ii. 107; disp. by Rother. 197. Mill. Jos. 699. Ploucq. bibl. i. 295. Spielm. 536.*

*Meu. Berg.* 197. *Linn.* 96. *Murr.* i. 277. *Vog.* 163. 240.

*Meum athamanticum.* *Monro* iii. 168. *Rutty* 328.

### 281. PIMPINELLA.

*Seeds* quinquecostate. *Petals* emarginate. *Corollae* equal. *Obs.* 5152. *L.*

Differs from *Apium* in the petals.

#### 1. *Seeds pubescent.*

1. PIMPINELLA *Anisum*. Folioles cuneiform, trifid, incise. *Obs.* 4888. Specimen gathered in a garden.—*L. sp.* 379. *Hort. kew.* i. 363. *Woodv.* 490. t. 180. *Sibth. prodr. n.* 711. In the corn-fields of Greece.

*Anisum.* *Cam. epit.* 515. *Fuchs.* 62. c. 19, *cop. in Trag.* 453, and *Bauh. J.* iii. b. 92. *Dod.* 297, *repr. in Lob. obs.* 415; *ic.* i. 721, *Ger. by Johns.* 1035, *cop. in Dalech.* 692, and *Park. theatr.* 911, & *repr. in*

*Anisum vulgare.* *Clus. hist.* ii. 202.

*Leaves*, the lower simple, roundish, the next above ternate and pinnate, the uppermost ternate. *Flowering branches* patent. *Involucrum* none or of one subulate bractea. *Germen* pubescent. *Obs.* 4888. —*Fruit* ovate. *Seeds* with 4 and 3 costae. *Seeds* from the shops.

ANISUM. Anise. The seeds. *Pharm. lond.*—*Alst.* ii. 325. *Berg.* 232. *Bisset ess.* 95. *Cartheus.* iii. 443. *Cull.* ii. 156. *Dale* 126. *Herm.* 270. *Hill* 514. *Lew.* i. 89. *Linn.* 100. *Mill.* *Jos.* 40. *Monro* iii. 19. *Murr.* i. 298. *Neum.* ii.



174. *Ploucq. bibl. i. 311. Quarin febr. 375.*  
*Rutty 29. Schrod. 535. Spielm. 239. Sydenh.*  
 628. *Underw. i. 159. Vog. 157.*  
*P. Anisum. Pharm. edin.—Lew. disp. by Dunc.*  
 276. *Murr. J. i. 204. Pearson R. i. 151; ii. 193.*  
*Anisum vulgare. Pharm. austriaco prov. 18.—*  
*Geoffr. iii. 94.*  
*Anise. Chalm. ii. 46.*  
*Anis. Chom. 510; suppl. 150.*

## 2. Seeds glabrous.

2. PIMPINELLA *magna*. Leaves pinnate; folioles ovate; terminal foliole mostly trilobate. Stem sulcate, mostly glabrous. *Obs. 4884.* On both the limestone districts of Derbyshire, but very rarely on the intervening gritstone.—*L. mant. 219.*  
*Bot. arrang. 314. Jacq. austr. iv. t. 396. Smith brit. 331; engl. t. 408.*  
*P. major. Mill. Ph. dict. n. 1. On chalky land.*  
*—Huds. 127. On calcareous soil.—Trag. 466.*  
*Fuchs. 581. c. 232, cop. in*  
*Saxifraga hircina major. Bauh. J. iii. b. 109, &*  
*Great broad Saxifrage. Petiv. herb. t. 26. f. 5.*  
*P. saxifraga major. Moris. umb. t. 5. Asso n.*  
*270.*  
*Saxifraga magna. Dod. 312, repr. in*  
*P. major Fuchsii. Lob. ic. i. 720, &*  
*Saxifraga, P. germanica major. Clus. hist. ii. 197,*  
*cop. in*  
*P. saxifraga hircina major. Park. theatr. 947, and*  
*repr. in*  
*P. saxifraga. Ger. by Johns. 1044. Retz. scand.*  
*n. 368 β. Raii hist. 445; syn. 213. Cam. epit.*  
*775.*



*P. saxifraga* major Matthioli. *Dalech.* 787.

*P. minor.* *Fuchs.* 581. c. 232, cop. in

*Saxifraga hircina* minor, foliis sanguisorbae. *Bauh.*

*J.* iii: 111. Icon *Fuchsii*, &

*P. saxifraga* minor. *Dalech.* 787.

Stem in some plants slightly pubescent. *Obs.* 4884.

Native of Europe from Spain to Norway.

*PIMPINELLA* alba. *Cartheus.* ii. 251. *Krock.*

n. 468. *Lew.* ii. 218. *Murr.* i. 296.

*P. Saxifraga.* *Dale* 125. *Herm.* 70. *Mill. Jos.* 345.

*Pimpinella.* *Neum.* ii. 93.

*Saxifraga.* *Herm.* 306.

*Saxifraga* magna. *Chom.* 234. *Geoffr. suite* ii. 391.

*a alba.* Petals white. *Obs.* 6027. Near Matlock Bath Derbyshire, on limestone.—*Obs.* 22. With  $\beta$ , and near Martin in Worcestershire, and near Stafford all on marle.

*P. Saxifraga.* *Scop. carn. n.* 345. var. 1. *L. sp.* 378  $\gamma$ . *Gouan hort.* 150  $\beta$  Near Montpellier.—

*Bot. arrang.* 314 *a*

*Tragoselinum* majus, umbella candida. *Tourn. paris.* 539. *Vaill. paris.* 194.

Fruit oval. Seeds shining, with 3 obsolete costae. *Obs.* 6027.

$\beta$  *rubens.* Petals whitish pink. *Obs.* 3341. Near Ashover Derbyshire, on limestone.—*Obs.* 22. In hedges between Crowle and Huddington near Worcester, on marle.—*Bot. arrang.* 314  $\beta$

*P. Saxifraga.* *Scop. carn. n.* 345. var. 2. *L. sp.* 378  $\delta$ . *Gouan hort.* 150 *a*. Near Montpellier.

*Tragoselinum* minus, flore rubente. *Vaill. paris.* 194, if, as I conjecture, minus is an error for majus.

*P. saxifraga major*, umbella rubente. *Raii hist.* 445.

3. **PIMPINELLA** *Saxifraga*. Lower leaves pinnate and bipinnate; upper leaves pinnate with pinnatifid folioles. *Obs.* 4886. Specimens gathered near Worcester.—*L. succ.* n. 261; *sp.* 378. *Gouan hort.* 150.  $\gamma$  Near Montpellier.—*Mill. Ph. dict.* n. 2. *Bot. arrang.* 313, where erase the 4 last lines from the bottom.—*Fl. dan.* t. 669. *Jacq. austr.* t. 395. All the folioles subrotund.—*Huds.* 127. *Light.* 169. (*Willd. berol.* n. 347. *L. a Willd.* i. 1471. *Roth germ.* i. 129; ii. 341, seems to be a glabrous variety with which I am unacquainted.)

*P. minor.* *L. lapp.* n. 106.

*Tragoselinum minus.* *Vaill. paris.* 194.

Native of Europe from Spain to Lapland.

**PIMPINELLA** *Saxifraga.* *Alst.* i. 494.

*Pimpinella.* *Pharm. succ.*—*Cull.* ii. 160. *Lew. disp. by Rother.* 217. *Vog.* 204.

*P. alba.* *Pharm. austriaco-prov.* 56.

*P. nostras.* *Krock.* n. 467.

*Saxifraga parva.* *Geoffr. suite* ii. 393.

- $\alpha$  *rotundifolia.* Folioles of the lower leaves subrotund, crenato-serrate, and incise and serrate. *Obs.* 4886.

*P. Saxifraga.* *L. sp.* 378  $\alpha$ . *Woodv.* 488. t. 179, (misengraved 178.) *Bot. arrang.* 313  $\alpha$ . *Smith engl. t.* 407; *brit.* 331  $\alpha$ . *Fl. dan.* t. 669. *Retz. scand. n.* 368  $\delta$ ; *obs. iii. n.* 45  $\epsilon$ .

*P. saxifraga minor.* *Moris. umb.* t. 5. *Asso n.* 270.

*P. minor.* *Cam. epil.* 776.

*P. rotundifolia.* *Scop. carn. n.* 344.

*Daucus* III genus. *Dalech.* 717, *cop. in*  
*D. tertius Dalechampii. Park. theat.* 899.

*Saxifraga hircina* minor, foliis sanguisorbae. *Bauh.*  
*J. iii. b.* 111. (The upper fig. is *P. magna*, and  
 the lower a copy of *Ger.* 887. f. 2, which he calls  
 a better figure, must surely have been originally  
 intended for *Poterium Sanguisorba*.)—*Raii hist.*  
 445; *syn.* 213.

Small broad Saxifrage. *Petiv. herb. t.* 26. f. 7.  
 All the folioles subrotund,

*Stem and leaves* pubescent. *Obs.* 4886, as in all  
 my dried specimens which are in flower. The one  
 which is in fruit is glabrous.

**PIMPINELLA** *saxifraga* minor. *Lew. ii.* 218.  
*Rutty* 390.

*P. alba.* *Berg.* 229. *Lew. disp. by Dunc.* 345.  
*Murr. i.* 294.

β *nigra.* Folioles of the lower leaves subrotund, incise.  
 Root when wounded pouring out a blue juice.  
*From*

*P. Saxifraga.* *Retz. obs. iii. n.* 45. = *obs. 2; scand.*  
*n.* 368 & note p, &

*P. nigra.* *L. a Willd. i.* 1471. *Willd. berol. n.*  
 348. *Mill. Ph. dict. n.* 4. *Roth germ. i.* 129, in  
 dry pastures throughout almost the whole of Ger-  
 many; *ii.* 342.

**PIMPINELLA** *nigra.* *Berg.* 231. *n.* 149.  
*Krock. n.* 468. *Murr. i.* 296. *Neum. ii.* 199.  
*Ploucq. bibl. i.* 660.

β *incisa.* Leaves pinnate; folioles of the lower leaves  
 incise and pinnatifid. *Obs.* 5152.

*Saxifraga parva.* *Dod.* 312, *repr. in*

*Bipinella*, sive *Saxifraga* minor. *Lob. ic. i.* 719,  
*Ger. by Johns.* 1044, &



Saxifraga, *P. germanica minor*. *Clust. hist.* ii. 197, & *cop. in*

*P. saxifraga hircina minor*. *Park. theatr.* 947.

Root fusiform, somewhat branched, not lactescent, whitish, rather acrid. Stem pubescent, striate; hairs deflex. *Obs.* 5152.

**PIMPINELLA** saxifraga minor. *Dale* 125.

*P. saxifraga*. *Lew* ii. 218.

*P. nostras*. *Linn.* 100.

*Pimpinella*. *Vog* 204.

γ *bipinnata*. Leaves bipinnate; folioles of the lower leaves incise. *Obs.* 5187.

δ *laciniata*. Folioles of all the leaves pinnatifid, and lineari-lanceolate. *Obs.* 7157. On a bank at Mosborough Derbyshire, on gritstone.—*Bot. arrang.* 314 γ. Near Worcester.—*Smith brit.* 331.

β

*P. dissecta*. *Retz. obs.* iii. 30. t. 2; *scand. n.* 369. *Sibth. ox.* 102.

*P. orientalis*. *Gouan ill.* 21. t. 15. *Jacq. austr.* iv. t. 397.

*P. saxifraga minor*. *Raii hist.* 445; *syn.* 213.

*P. saxifraga minor crispa*. *Moris. umb.* t. 5.

*Saxifragia hircina minima*, *P. crispa* Tragi. *Bauh.*

*J.* iii. b. 113. The description *cop.* from *Tragus*. (The fig. with simple umbels must have been intended for some other plant.)

Small cut *Saxifrage*. *Petro. herb.* t. 26. f. 8.

*Stigmata* simple. *Obs.* 7157.

4. **PIMPINELLA** flexuosa. Involucrum none or from 1 to 3 bracteae. Leaves compound, hirsutulous. Stem at the base attenuate and flexuose. Styles permanent. *Obs.* 5895. In meadows.



*Bunium flexuosum*. *Bot. arrung.* 276. *Smith brit.* 301; *engl. t.* 988.

*Bunium Bulbocastanum*. *Curt. lond.* iv. 24. t. 273, without an involucrum, but described as having an involucrum with many bracteae. *Mill. Ph. dict. n.* 1.—*Donn* 57.

*Bunium majus*. *Gouan illustr.* 10. *L. a Willd.* i. 1394.

*Bulbocastanum minus*. *Martyn ap. Raii syn.* 209.

*Bulbocastanum*. *Bauh. J.* iii. b. 30. *Raii syn.* 209; *hist.* 440.

*Bulbocastanum majus folio apii*. *Tourn. inst.* 307; *paris.* 403. *Vaill. paris.* 24. *Boerh.* i. 50. Native of Holland.—*Magn. hort.* 36.

*Bulbocastanum minus*. *Johns. in Ger. by Johns.* 1064.

*Nucula terrestris minor*. *Park. theatr.* 892. No fig.

*Bulbocastanum mas Tralliani*. *Dalech.* 773. In fruit.

*Oenanthe l.* *Cam. epit.* 609. f. 2, root and a radical leaf.—4, an umbel.

*Leaves* petiolate; petioles oblong, membranaceous at the margin, 4 times shorter than the leaves.

*Fruit* ovali-ovate. *Seeds* obsoletely costate; costae 5, at equal distances; the intervening spaces reticulate. *Obs.* 5895. In meadows, and in ploughed fields which have been lately broken up, in which last situation the root may sometimes be drawn up along with the stem.

Native of France, Holland, and Britain.

**BULBOCASTANUM.** *Boerh.* 78. *Dale* 123.

*Mill. Jos.* 97. *Rutty* 76.

**B. Bulbocastanum.** *Bryant* 25.

3. *With involucre and involuella.*

5. **PIMPINELLA** *ferulifolia*. Involucrum with mostly 1 bractea. Leaves supradecomposed, glabrous; segments linear, obtuse. Fruit ovato-oblong. *Smith in*

*BUNIAM ferulaceum. Sibth. prodr. n. 651.*

6. **PIMPINELLA** *Bulbocastanum*. Involucrum of many bracteae. Leaves compound, glabrous. Stem cylindric at the base. Styles deciduous. Fruit nearly cylindric. *Specimen* in Sir Jos. Banks's herbarium, gathered in the south of France.—The account of the stem from figures, and of the leaves from

*Bunium. Guett. ii. 432. L. cliff. 91. Gesn. hort. 251.*

*Bunium Bulbocastanum. L. sp. 349; a Reich. i. 671. Pollich n. 274. Leaves glabrous.—Bot. arrang. 275. Roth germ. i. 124. In Saxony and Westphalia;—ii. 326. Smith brit. 301. Found by Mr. Wood in Kensington gardens.—Fl. dan. t. 220. Dry meadows near Bergen in Norway.—Retz. scand. n. 330. Donn 57.*

*Bunium minus. Gouan illustr. 10.*

*B. saxatile. Mill. Ph. dict. n. 3.*

*Bulbocastanum minus. Magn. monsp. 41; hort. 36.*

*Bulbocastanum minus, saxatile, peucedani folio. Tourn. inst. 307; paris. 403, where he mentions it as a native of Provence and Languedoc, and not of the neighbourhood of Paris.—Boerh. i. 50. Garid. 70.*

*Bulbocastanum majus. Martyn ap. Raii syn. 209 i*

In a field between Hornsey wood and Old-Fall  
near the footpath.

*Bulbocastanum majus*, folio apii. *Bauh. Casp. pin.*  
162. *Sabbat. v. t.* 73.

*Cuminum bulbosum* Plinii. *Col. ecphr.* ii. 14. *t.*  
20.

*Bulbocastanum alterum* caule firmiore. *Barrel.* 60.  
*n.* 613. *t.* 244.

*Nucula terrestris septentrionalium.* *Lob. ic.* i. 745,  
*repr. in*

*Nucula terrestris.* *Lob. obs.* 429,

*Bulbocastanon.* *Dod.* 332; *ed.* ii. 334, &

*Bulbocastanon majus.* *Ger. by Johns.* 1064, & *cop.*  
*in*

*Nucula terrestris major vel minor.* *Park. theatr.*  
893,

Earthnut. *Petiv. herb. t.* 25. *f.* 9,

*Bulbocastanum majus tuberosum.* *Hist. ox.* ii. *s.*  
9. *t.* 2. *row* 2. *f.* 1, &

*Bulbocastanum.* *Tab. ic.* 143.

*Oenanthe l.* *Matth.* 866, *cop. in Dalech.* 782, &  
*abr. in Cam. epit.* 609. *f.* 1. *f.* 3.

*Bulbocastanum grandius.* *Dalech.* 774.

*Native* of Italy, Languedoc, Provence, Orleans, the  
Palatinate, Saxony, Holland, Norway, and per-  
haps Middlesex.

*NUCULA terrestris septentrionalium.* *Lob. adv.*  
331.

7. *PIMPINELLA latifolia.* Leaves pinnate; folioles  
lanceolate. *Obs.* 4658. Specimen gathered in the  
isle of Ely.

*Sium latifolium.* *L. succ. n.* 247; *sp.* 361. *Bot.*  
*arrang.* 291. *Smith engl. t.* 204; *brit.* 312.



*Tourn. paris.* 364. *Vaill. paris.* 187. *Boerh.* i. 55. Native of Holland.—*Jacq. austr.* i. t. 66. *Fl. dan.* t. 246.

*Sium latifolium* foliis variis. *Dill. ap. Raii syn.* 211.

*Sium.* *Dod.* 579, repr. in

*Sium*, sive Laver *Dioscoridis olusatri folio*, sive *Pastinaca aquatica.* *Lob. ic.* i. 208, &

*Sium majus angustifolium.* *Ger. by Johns.* 256, and cop. in

*Sium Cratevae majus Dodonaci.* *Dalech.* 1094.

*Sium majus latifolium.* *Raii syn. ed. ii.* 107; *hist.* 443, who remarks that the leaves which first make their appearance in the spring are similar to those of *Oenanthe fistulifolia*, and *Tournefort* adds almost as fine as those of *Ligusticum Foeniculum.* —*Ger. by Johns.* 256, cop. in

*Sium maximum latifolium.* *Bauh. J.* iii. b. 175, &

*Sium Dioscoridis*, sive *Pastinaca aquatica major.* *Park. theatr.* 1240.

*Seeds* semiovate, bowed, with 5 prominent costae. *Obs.* 6579. In the Oxford garden. The root dug up from the banks of the neighbouring rivers.

*SIUM latifolium.* *Krock. n.* 435. *Pulteney in med. journ.* v. 196.

*Sium.* *Dale* 125.

*Pastinaca aquatica.* *Mill. Jos.* 334.

*Sium aquaticum.* *Monro iii.* 270.

8. **PIMPINELLA nodiflora.** Leaves pinnate; folioles elliptic. Umbels opposite to the leaves. Peduncles much shorter than the umbel. Involucrum



none, or of 1 bractea. *Obs.* 5193. In a running stream in a meadow.

*Sium nodiflorum.* *L. succ.* n. 248; *sp.* 361. *Bot. arrang.* 292. *Huds.* 119. *Lightf.* 162. *Smith brit.* 313; *engl. t.* 639. *Woodv.* 494. *t.* 182.

*Sium geniculis umbellatis.* *Vaill. paris.* 187.

*Sium medium, ad alas floridum.* *Boerh.* i. 55. Native of Holland.

*Sium aquaticum procumbens, ad alas floridum;* *Hist. ox.* iii. 383. *s.* 9. *t.* 5. *f.* 3.

*Sium umbellatum repens.* *Johns. in Ger. by Johns.* 258. *n.* 3; 256. *n.* 3. No fig.—*Raii hist.* 444; *syn.* 211.

*Stem* creeping. *Calyx* quinquedentate. *Fruit* turbinate, slightly compressed. *Seeds* with 5 costae. *Obs.* 5877. In ditches at Stafford.

*SIUM nodiflorum.* *Pulteney in med. journ.* v. 196. *Withering in bot. arrang.* 293.

*Sium.* Water Parsnep. The herb. *Pharm. lond;* and by *Healde* 61.—*Aikin in Lew.* ii. 371. *Lew. disp. by Dunc.* 305.

*Sium aquaticum.* *Underw.* i. 95. 97.

Water Parsnep. *Denm.* i. 176.

## 282. APIUM.

*Seeds* costate. *Petals* entire. *Corollae* equal. *Obs.* 5028. *L.*

### 1. Umbels and umbellulae naked.

1. *APIUM biternatum.* Leaves biternate, upper ternate. *Obs.* 8671. Specimen gathered in a hedge near a village.

*Aegopodium Podagraria*. *L. succ. n.* 263, in orchards and kitchen gardens; *sp.* 379. *Gouan hort.* 152. Near Montpellier.—*Bot. arrang.* 317. *Smith brit.* 334; *engl. t.* 940. *Fl. dan. t.* 670. In shady meadows.—*Krock. n.* 473. *Sibth. prodr.* n. 715. *Northumb. guide* 29. On the banks of rivers.

*Ligusticum Podagraria*. *Roth germ. i.* 124. In the hedges of orchards.

*Seseli Aegopodium*. *Scop. carn. n.* 359. The pest of gardens.

*Angelica sylvestris repens*. *Bauh. J.* iii. b. 145. On the river Birse, and on a hill between Montbeliard and Adincourt.

*Angelica sylvestris minor, seu erratica*. *Raii hist.* 435, in hedges and in shady places on the sides of mountains; *syn.* 208. In hedges especially those of gardens.—*Tourn. paris.* 387. In the forest of Montmorency.—*Vaill. paris.* 13. *Boerh. i.* 53. Native of Holland.

*Herba Gerardi*. *Dod.* 317, repr. in *Ger. by Johns.* 1001,

*Podagraria germanica, aut belgica*. *Lob. obs.* 398, & *ic.* i. 700, & *cop. in*

*Podagraria vulgaris*. *Park. theatr.* 943.

*Native of Europe from Greece to Sweden, in shady places or on the sides of rivers, but mostly occurring in the hedges of gardens and orchards.*

*HERBA GERARDI. Dale* 122.

2. *APIUM Petroselinum*. Leaves bipinnate; folioles deltoid. Peduncles longer than the umbels. *Obs.* 5028. In a garden.—*L. sp.* 379. *Hort. kew.* i. 364. *Woodv. ii.* 205. *t.* 73.

- A. hortense, vel Petroselinum vulgo. *Boerh.* i. 58.  
 A. hortense. *Cam. epit.* 526. *Raii hist.* 448. *Dalech.* 700. *Dod.* 682, repr. in 694, *Lob. ic.* i. 707, *Ger. by Johns.* 1013, &  
 Selinon, sive A. hortense. *Lob. obs.* 405, and cop. in  
 Petroselinum vulgare. *Park. theatr.* 923.  
 Petroselinum vulgo, planum. *Bauh. J.* iii. b. 97.  
 Oreoselinum. *Fuchs.* 552, cop. in *Bauh. J.* iii. b. 97.  
 Petroselinum. *Trag.* 460. In its seminaturalised state.—*Park. parad.* 491. t. 493. f. 1.  
 Seeds semioval, tricostate, a tenth of an inch long. *Obs.* 5028.  
**PETROSELINUM.** Parsley. Root and seeds. *Pharm. lond.*—*Berg.* 233 *Cartheus.* iii. 469; iv. 123. *Cull.* ii. 159. *Fordyce, G. pract.* 272. *Geoffr. suite* i. 379. *Herm.* 60. 295. *Hill.* 644. *Lew.* ii. 214. *Linn.* 101. *Murr.* i. 301. *Monro* iii. 221. *Rutty* 387. *Spielm.* 62. *Stoll med.* iii. 311. *Vog.* 203.  
 A. Petroselinum. Root. *Pharm. edin.*—*Bryant* 24. *Krock. n.* 471. *Lew. disp. by Dunc.* 152. *Pearson, R.* i. 49.  
 Petroselinum vulgare. *Dale* 126. *Mill. Jos.* 342.  
 A. hortense. *Alst.* i. 379.  
 A. hortense, seu Petroselinum vulgo. *Chom.* 214; suppl. 69.  
 Parsley. *Darw.* ii. 194. 218. *Monro, Don. sold.* ii. 137. *Underw.* i. 358; ii. 169; iii. 189.  
 β crispum. Folioles curled. *Obs.* 5029. In a garden.—*L. sp. β. Hort. kew.* β  
 A. vel Petroselinum crispum. *Boerh.* i. 58.  
 Petroselinum vulgo, crispum. *Bauh. J.* iii. b. 97, the lower and inner leaf,

*γ. latifolium.* Folioles twice and thrice as large as those of *α*. From *Casp. Bauhine*.

*A. hortense magnum.* *Bauh. J. iii. b. 99.* In the garden of Montbeliard. Roots several. Involucra none. Flowers white, but those of *α* are so described by the author.

*Petroselinum majus, sive virginianum.* *Park. theatr. 923.*

Virginia Parsley. *Park. parad. 492.* No fig.

*APIUM hortense latifolium.* *Boerh. i. 58.*

*δ dulce.* Root large and sweet. From *Boerh.—Hort. kew. i. 364 γ*

*A. foliis caulinis linearibus.* *L. ups. 67 γ*

*A. latifolium.* *Mill. Ph. dict. n. 3.*

*APIUM hortense latifolium, maxima crassissima suavi et eduli radice.* *Boerh. i. 58.*

*ε angustifolium.* Leaves narrow. From

*A. montanum, folio tenuiore.* *Boerh. i. 58.*

*Petroselinum Dalechampii.* *Dalech. 702; near Grenoble in Dauphine; cop. in*

*A. quod Petroselinum Dalechampii.* *Bauh. J. iii. b. 19.*

*MEDULLA DOMICELLARUM.* *Boerh. 97.*

3. *APIUM graveolens.* Leaves bipinnate; folioles rhombic. Peduncles shorter than the umbels. *Obs. 492.* In a wet ditch near Worcester—*L. succ. n. 262; sp. 379. Fl. dan. t. 790. Bot. arrang. 316. Smith brit. 333; engl. t. 1210. Forst. G. austral. n. 141.*

*Seseli graveolens.* *Scop. carn. n. 360.*

*A. palustre, et officinarum.* *Raii syn. 214.*

*A. palustre, et A. officinarum.* *Tourn. paris. 390. Vaill. paris. 15. Boerh. i. 58.*



*A. palustre*, seu officinarum. *Raii hist.* 447. In marshy rivulets and ditches, especially on the sea coast.

*Apium.* *Fuchs.* 703. c. 284, *cop. in*

*A. vulgare ingratius.* *Bauh. J.* iii. b. 100, and *abr. in*

*A. vulgare.* *Trag.* 464, which *repr. in*

*A. sativum.* *Cord. fol.* 168. p. 2.

*A. palustre.* *Cam. epit.* 527.

*A. palustre Matthioli.* *Dalech.* 701, umbels represented as pedunculate and involucrate; *imit. in*

*Eleoselinum.* *Dod.* 683, which *repr. in*

*Eleoselinum, Paludapium.* *Lob. obs.* 405; *ic.* i. 707, &

*Eleoselinum, sive Paludapium.* *Ger. by Johns.* 1014, & *cop. in*

*A. vulgare, sive palustre.* *Park. theatr.* 926, and *abr. in*

*Apium.* *Park. parad.* 491, t. 493. f. 2.

Leaves yellowish green; folioles of the upper leaves lanceolato-rhombic, incise; segments attenuate, acute. Branches patulous. *Obs.* 492.

*APIUM graveolens.* *Bryant* 58.

*Apium.* *Pharm. austriaco-prov.* 19. *succ.—Alst.* i. 379. n. 1. *Berg.* 235. *Dale* 126. *Geoffr.* iii. 103. *Herm.* 295. *Krock.* n. 472. *Lew. disp. by Rother.* 98. *Linn.* 101. *Mill. Jos.* 44. *Murr.* i. 303. *Neum.* ii. 176. *Schrod.* 536. *Spielm.* 40. *Vog.* 158. 231.

*A. palustre.* *Cartheus.* iii. 467; iv. 120. *Chom.* 212; *suppl.* 68. *Herm.* 58. *Lew.* i. 113. *Rutty* 33.

♂ *Celeri.* (Variation.) Leaves deep green. *Obs.* 5030. In a garden.—*L. sp.* 379 β. *Hort. kew.* i. 364 β.

*A. dulce.* *Mill. Ph. dict. n. 5*, who says that he had tried in vain to change  $\alpha$  into  $\beta$ ,  $\alpha$  when cultivated throwing out suckers and retaining when blanched its strong taste.

*A. dulce, Celeri italorum.* *Boerh. i. 58.*

*Selinum, sive A. dulce.* *Park. 926.*

*Leaves* full green; folioles rhombic, incise; segments cuneiform, rather obtuse. *Branches* patulous. *Obs.* 7983. Specimen gathered in a dry ditch in the village of Wales near Rotherham in Yorkshire, where Dr. Bilham had observed it growing for upwards of 40 years. 25 July.—*Branches* patent. *Leaves* dark green; folioles incise; segments lanceolate, acute. *Seeds* semioval, tricostate, half the tenth of an inch long. *Obs.* 5090. Specimen cultivated in a garden.

*APIUM dulce.* *Bryant 58.*

*A. graveolens.* *Pearson, R. i. 49.*

Französischer Selery. *Spielmann. 40.*

Cellery. *Darwin. ii. 194. 218. 720.*

*A. dulce, Celeri italorum.* *Chom. 212.*

*A. rapaceum.* Root like that of a turnep. *From*

*A. rapaceum.* *Mill. Ph. dict. n. 6.*

*RUBEN SELLERY.* *Spielmann. 41.*

## 2. With involucre.

4. *APIUM junceum.* *Leaves* pinnate. *Involucre* nearly as long as the umbel. *Obs.* 5160. In marle near Worcester, north of which place I have not observed it.

*Sison segetum.* *L. sp. 362. Bot. arrang. 294. Jacq. hort. ii. t. 134. Smith engl. t. 228; brit. 316.*

*Selinum sili foliis.* *Rail syn. ed. ii. 106; hist. 443. Ger. by Johns. 1018, cop. in*

*Selinum segetale.* *Park. theatr.* 932.

*Sium arvense* sive *segetum.* *Tourn. paris.* 303.

*Vaill. paris.* 187. *Boerh.* i. 55. *Dill. ap. Raii syn.* 211.

*Umbels* when in flower and fruit erect. *Petals* ovate, retuse, involute. *Obs.* 5160.

*Native* of France, Hampshire, Essex, Worcestershire, Northamptonshire, Bedfordshire, and Norfolk.

*SELINUM segetale.* *Dale* 124.

5. *APIUM Amomum.* Leaves pinnate. Involucra as long as the umbellulae. *Obs.* 501, near Worcester, on marle.

*Sison Amomum.* *L. sp.* 362. *Bot. arrang.* 294.

*Smith brit.* 315. *Jacq. hort.* iii. t. 17. *Northumb. guide* i. 27. On hills of ballast near Sunderland.

*Sium aromaticum*, *Sison officinarum.* *Vaill. paris.* 187. *Dill. ap. Raii syn.* 211. *Boerh.* i. 55.

*Petroselinum.* *Fuchs.* 624. c. 254, *cop. in*

*Amomum germanicum.* *Trag.* 461,

*Petroselinum macedonicum Fuchsii.* *Dod.* 685, which repr. in *Ger. by Johns.* 1016, & *cop. in*

*Sisum vulgare*, sive *Amomum germanicum.* *Park. theatr.* 914, &

*Sison*, seu *Petroselinum macedonicum.* *Dalech.* 709, & *cop. in*

*Sison*, sive *officinarum Amomum.* *Bauh. J.* iii. b. 107. *Raii syn. ed.* ii. 106; *hist.* 443.

*Native* of France, Germany, Oxfordshire, Bedfordshire, Cambridgeshire, Worcestershire, and to within a few miles south of Nottingham.

*SISON.* *Chom.* 522. *Geoffr. suite* iii. 68.

*Amomum.* *Pharm. austriaco. prov.* 17.—*Alst.* ii. 324. *Dale* 124.

*Amomum vulgare.* *Lew.* i. 73. *Mill. Jos.* 31.  
*Schreb. ap. Linn.* 94.

## 283. PANAX.

*Calyx* superior, quinque-dentate. *Petals* 5. *Berry*  
 with 2 and 3 cells. *Seeds* solitary. *Obs.* 2636.  
*L.*

1. PANAX *quinquefolium.* *Leaves* in threes, quinate.  
*L. sp.* 1512. *Hort. kew.* iii. 448. *Woodv.* 270.  
*t.* 99.

*P. foliis ternis quinatis.* *Gron. virg.* 162.

*Aureliana canadensis.* *Catesb. app.* 16. *t.* 16, in  
 fruit.—*Breyn. icon.* 52. *t.*

*Araliastrum foliis ternis quinquepartitis,* Ginseng  
 sive Ninsin officinarum. *Trew. select. t.* 6. *f.*  
 1.

Gin-seng. *Jartoux, account from in phil. trans.*  
*abr.* iv. part ii. 314, by Jones, *t.* 5. *f.* 56, 57; &  
 by *Hutt.* vi. 56. *t.* 2. *f.* 9.

GINSENG. The root. *Pharm. lond.*—*Bourde-*  
*lin in acad. sci. abr. by Southw.* iii. 284. *Car-*  
*theus.* iv. 137. *Cull.* ii. 161. *Cutl. in amer. acad.*  
*i.* 492. *Fothergill, J. in gent. mag.* xxiii. 209.  
*Geoffr.* ii. 115. *Heberd. in med. trans.* iii. 34.  
*Hill* 589. *Lew.* i. 467; *disp. by Dunc.* 269.  
*Linn.* 269. *Mill. Jos.* 214. *Monro* iii. 119.  
*Murr.* i. 330. *Osbeck voy.* i. 223. *Rutty* 219.  
*Schoepf* 155. *Spielm.* 357. *Vog.* 219.

*Ninzin et Ginseng.* *Dale* 235.

*P. quinquefolium.* *Bart.* 21. *Pearson, R.* ii. 193.

2. PANAX *trifolium.* *Leaves* in threes, mostly ter-



nate. *Obs.* 2636. Specimen gathered by Dr. Cutler in New England.—*L. sp.* 1512.

*P. foliis ternis ternatis quandoque quinatis, pumila, Gron. virg.* 163.

*Araliastrum foliis ternis tripartitis et quadripartitis, Trew. select. t. 6. f. 2.*

*AURELIASTRUM minus. Dale* 421.

*Araliastrum fragariae folio, minus. Vaill. in phil. trans. abr. by Jones iv. part ii. 320; & by Hutt. vi. 315. n. 3.*

*Nasturtium marianum, anemones sylvaticae foliis, enneaphyllon, floribus exiguis. Pluk. mant. 135. t. 435. f. 7.*

β *luxurians. (Variation.) Folioles 4 and 5. Obs.* 2636.

*Araliastrum quinquefolii folio, minus. Vaill. in phil. trans. abr. by Jones iv. part ii. 320; & by Hutt. vi. 315. n. 2.*

3. *PANAX fruticosum. Leaves supradecomposed; folioles dentato-ciliate. Stem fruticose. L. sp.* 1513.

*SCUTELLARIA tertia. Rumph. iv. 78. t. 33.*

## TRIGYNIA.

### 284. ANACARDIUM.

*Calyx inferior, semiquinquefid. Petals 5. Drupe cordate, with 1 nut. From L. the son, and Roxb. —Lamarck, Juss.*

*Semecarpus. L. fil. suppl. 25.*

1. ANACARDIUM *solitarium*.

*Semecarpus Anacardium*. *L. fl. suppl.* 182. *Roxb.*  
i. 13. t. 12.

*Oriental Anacardium*. *Ellis in phil. trans. abr. by*  
*Hutt.* xi. 49. 185. t. 3. f. 6. 8.

*Anacardium*. *Grew mus.* 208. *Bauh. J.* i. a. 334,  
the 3 upper figures.—*Ger. by Johns.* 1544, cop.  
in *Dalech.* 1765, &

*Anacardia*. *Park. theatr.* 1568.

*ANACARDIUM orientale*. *Alst.* ii. 252. *Berg.*  
886. *Lew.* i. 79. *Linn.* 102. *Mill. Jos.* 34.  
*Murr.* ii. 192.

*Anacardium*. *Chom.* 336. *Dale* 310. *Geoffr.* ii.  
395. *Schrod.* 532. *Vog.* 269.

*Avicennia tomentosa*. *Bryant* 355.

## 285. RHUS.

*Calyx* quinquepartite. *Petals* 5. *Nectarium* with  
10 teeth. *Drupe* with 1 nut. *Obs.* 5590. *L.*

1. *Leaves simple*. *L.*1. RHUS *obovatifolia*. *Leaves* obovate. *Obs.* 5042.  
*In a garden.*

*R. Cotinus*. *L. sp.* 383. *Hort. kew.* i. 369. *Host*  
172. *Roth germ.* ii. 367. *Gouan hort.* 153. *Jacq.*  
*austr. t.* 210.

*Cotinus Coggygia*. *Scop. carn. n.* 368.

*Coccigria Theophrasti*. *Lob. obs.* 412, repr. in ic.  
ii. 99, cop. with an addition of flowers, in

*Coggygia*, sive *Cotinus coriaria*. *Park. theatr.*  
1451, & imit. in

*Cotinus coriaria*. *Dod.* 768, which repr. in

*Cotinus coriarius* Plinii. *Ger. by Johns.* 1476.

*Coccigria*, sive *Cotinus putata*. *Bauh. J. i. a.* 494.

*Raii hist.* 1696; *europ.* 107. Near Grenoble.

*Coggygia* Plinii, *Coconelia* Theophrasti. *Clus. pann.* 98, on mountains not far from Vienna; *repr. in*

*Coggygia*. *Clus. hist. i.* 16, &

*Coggygia* Theophrasti. *Ger. by Johns.* 1476.

*Dalech.* 193.

*Pedicles* filiform, more or less pilose, those of abortive flowers most so. *Obs.* 5042.

*COTINUS.* *Dale* 330.

## 2. *Leaves ternate. L.*

2. *RHUS Toxicodendron.* Folioles petiolate, angular, pubescent. Stem throwing out roots. *L.—H. K.* i. 367. *Gouan hort.* 152.

*Toxicodendron triphyllum*, folio sinuato pubescente.

*Boerh. ii.* 229. *Mazeas in phil. trans. abr. by Hutt. x.* 595.

*Vitis canadensis.* *Munt. phytogr. t.* 60.

*Edera trifolia canadensis.* *Raii hist.* 1699. *Cornut.* 96. *t.* 97, *cop. in*

*Hedera virginiensis trifolia.* *Park. theatr.* 679, outer fig.

(*Apocinum trifoliatum indicum*, vulgo *Epimedium*. *Stap.* 364, more resembles a *Mimosa*.)

*Drupa* with 1 nut. *Nut* with a hard shell. *Obs.* 5590. Specimen gathered in the garden of Fothergill.

*RHUS Toxicodendron.* Leaves. *Pharm. edin.*

—Alderson, account from in *med. comment.* *dec.*

*II. x.* 32; and *chir. rev. xii.* 338. *Bart.* 24.

*Lew. disp. by Dunc.* 294. *Murr. J.* i. 136.  
*Pearson, R.* ii. 197. *Ploucq. bibl.* i. 442.  
*Schoepf* 40. *Woodv.* iv. 131.

3. *RHUS radicans.* Folioles petiolate, ovate, glabrous, entire at the margin. Stem throwing out roots. *L. sp.* 381. *Hort. kew.* i. 367.

*Toxicodendron triphyllum glabrum.* *Boerh.* ii. 228. *Mazeas in phil. trans. abr. by Hutt.* x. 595.

*RHUS radicans.* *Bart.* 24. *Dufresnoy, account from in ann. med.* iv. 182; v. 483; *phys. journ.* i. 308; vi. 273; x. 486; *chir. rev.* viii. 100; and *med. rev.* iv. 34. *Fresnoi account from in med. comment. dec. II.* vii. 120. *Horsfield, account from in phys. journ.* i. 108. *Schoepf* 39. *Van Mons, account from in chir. rev.* xiii. part ii. 125; and *med. rev.* vi. 401. *Woodv.* iv. 131. *Wurzer, account from in phys. journ.* vi. 273.

*a opaca.*—*Hort. kew.* i. 367.

*β lucida.*—*Hort. kew.* i. 367.

*Toxicodendron rectum, foliis minoribus glabris.* *Dill. hort.* 389. t. 291. f. 375.

### 3. *Leaves pinnate.* L.

4. *RHUS quinquefolia.* Leaves glabrous; folioles entire at the margin, roundish, 5. *Obs.* 5596. Specimen with male flowers gathered by Broughton in Jamaica.

*R. Metopium.* *L. amoen.* v. 395; *sp.* 381.

*Terebinthus maxima, pinnis paucioribus majoribus atque rotundioribus, fructu racemoso sparso.* *Sloane cat.* 167; *hist.* ii. 90. t. 199. f. 3.



**METOPIMUM.** *Browne* 177. t. 13. f. 3, who describes it as having only 1 style.

5. *RHUS venenata*. Leaves glabrous; folioles elliptic, mostly entire at the margin. Berries glabrous. Flowers dioecious. *From*

*R. Vernix. Michaux* i. 183, and *L. a Murr.* 293; sp. 380; *mant.* 358. *Hort. kew.* i. 366.

*R. foliis pinnatis integerrimis, petiolo integro. Gron.* virg. 45.

*Toxicodendron pinnatum. Mill. Ph. dict. n. 4.*  
Folioles lucid on the upper surface.

*Pennated Toxicodendron. Ellis in phil. trans. abr.*  
*by Hutt.* xi. 47. 181. 182. 184. 185.

*American Toxicodendron. Mill. Ph. in phil. trans.*  
*abr. by Hutt.* xi. 177.

*Toxicodendron carolinianum, foliis pinnatis, floribus minimis herbaceis. Mazeas in phil. trans. abr.*  
*by Hutt.* x. 595. *Mill. Ph. ib.* 596.

*Toxicodendron foliis alatis, fructu rhomboide. Dill.*  
*hort.* 390. t. 292. f. 377.

*Arbor americana, alatis foliis, succo lacteo venenata. Pluk. alm.* 45; *phyt. t.* 145. f. 1, *cop. in phil. trans. abr. by Hutt.* xi. t. 3. f. 1. No fructifications.

*RHUS Vernix. Bart.* 24. *Horsfield, account from in phys. journ.* i. 108, and *chir. rev.* xiv. 3.

*Rhus-Toxicodendron Vernix. Marsh.* 130.

Poison-wood. *Cutl.* 427.

Poison-wood tree. *Dudley in phil. trans. abr. by Hutt.* vi. 507.

Poison-tree. *Dudley in phil. trans. abr. by Reid and Gray* vi. part ii. 216; *Sherard, W. ib.* 217; & *abr. by Hutt.* vi. 508.

6. *RHUS succedanea*.—Folioles entire at the margin, perennial, shining. Petiole not jointed, not winged.  
*L.*

*R. succedaneum. L. mant. 221. H. K. i. 366.*

*Fasi no ki. Kaempf. 794. t. 795, cop. in phil. trans. abr. by Hutt. xi. t. 3. f. 4. Ellis in phil. trans. abr. by Hutt. xi. 50. 186. t. 7. f. 6, a leaf from Japan.*

- R. sinense* foliis alatis, foliolis oblongis acuminatis ad basin subrotundis et dentatis. *Ellis in phil. trans. abr. by Hutt. xi. 48. 184. t. 3. f. 5; t. 7. f. 5, leaves of a tree raised from Chinese seeds.*

*Leaf 21 inches long, glabrous, octojugate; folioles nearly opposite, cordato-elliptic, acuminate, obsolete dentate at the base; teeth obtuse, glandular underneath; glands orbicular, brownish black. Obs. 8708. Specimen gathered in Marshal Noailles' garden at Saint Germain.*

*RHUS succedaneum. Thunb. trav. iv. 38.*

7. *RHUS glabra*. Leaves glabrous; folioles lanceolate, serrate. Flowers dioecious. Berries velvety. *Obs. 8709. Specimen from Prof. Jos. F. Jacquin. The account of the flowers from*

*R. glabrum. Michaux i. 182. L. sp. 380. Hort. kew. i. 365.*

*R. foliis pinnatis serratis lanceolatis utrinque nudis. Gron. virg. 45. Cull. in amer. acad. i. 427.*

*R. virginicum, panicula sparsa, ramis patulis glabris. Dill. hort. 323. t. 243. f. 314. Catesb. app. 4. t. 4.*

*SUMACH. Schoepf 38.*

*R. glabrum. Bart. 48?*

8. RHUS *verniciiflua*. Folioles elliptic, subvillose underneath. Petioles subvillose. *From*

Sitz, sive Sitz-dsju. *Kaempfer*. 791. t. 792, *cop. in*  
Sitz, vel Sitz dsju, vulgo Urus, seu Urus no ki.  
*Phil. trans. abr. by Hutt.* xi. t. 3. f. 2, &

True Varnish-tree. *Ellis in phil. trans. abr. by*  
*Hutt.* xi. 47. 182. 185, who examined a specimen in the British museum gathered by Kaempfer in Japan.

R. Vernix. *Thunb. trav.* iv. 62. (*L. sp.* 380; *mant.* 358, where the synonym of Kaempfer is ordered to be erased; *a Murr.* 293, where it is said to be dioecious and different from the plant which produces the officinal Vernix; is R. *venenata*.)

VERNIX. *Linn.* 102, *cop. in Schoepf* 38. *Vog.* 318.

9. RHUS *lentiscifolia*. Folioles entire at the margin. Petioles winged. *Obs.* 5592. Specimen gathered in Marshal Noailles' garden at Saint Germain.

R. copallinum. *L. sp.* 380. *Hort. kew.* i. 366.  
*Michaux* i. 182.

R. foliis pinnatis, pedunculo communi membranaceo articulato. *Royen* 244. *Gron. virg.* 45.

R. obsoniorum similis, americana, gummi candidum fundens, non serrata, foliorum rachi medio alata.  
*Pluk. alm.* 318; *phyt. t.* 56. f. 1.

R. virginianum lentisci foliis. *Raii hist.* 1799.

(Copalli Quahuatl. *Hernand.* 45, has crenate folioles.)

Nectarium fleshy, with 10 teeth. Stamina inserted into the nectarium on the outer side. *Obs.* 5592.

RHUS foliis pinnatis integerrimis, petiolo membranaceo articulato. *Cutl. in amer. acad.* i. 427.



10. RHUS *Coriaria*. Folioles obtusely serrate, oval, villose underneath. *L. sp.* 379. *Hort. kew.* i. 365. *Roth germ.* ii. 367. *Gouan hort.* 152. Near Montpellier.—*Woodv.* iv. 130. t. 261. *Dod.* 767, repr. in *Ger. by Johns.* 1474,

*R. Sumach officinarum.* *Lob. obs.* 539, &

*R. obsoniorum et coriariorum.* *Lob. ic.* ii. 98, & cop. in *Park. theatr.* 1450.

*R. sive Sumach.* *Bauh. J.* i. a. 555, *Raii hist.* 1590.

*R. folio ulmi.* *Raii europ.* 219. *Boerh.* ii. 229.

*Rhus.* *Dalech.* 107.

*SUMACH.* *Pharm. austriaco-prov.* 69.—*Berg.* 237. *Herm.* 441. *Lew.* ii. 405. *Linn.* 102. *Monro, Don. sold.* ii. 243. *Murr.* iv. 25. *Spielm.* 430. *Vog.* 155. 182.

*R. obsoniorum.* *Dale* 314. *Mill. Jos.* 373. *Rutty* 430.

*R. folio ulmi.* *Alst.* ii. 370. *Chom.* 610; suppl. 176.

*R. sive Sumach.* *Geoffr. suite* ii. 219.

*R. Sumach.* *Ploucq. bibl.* i. 323.

11. RHUS *typhina*.—Folioles lanceolate, acutely serrate, tomentose underneath. *L.*

*R. typhinum.* *L. sp.* 380. *Hort. kew.* i. 365. *Marsh.* 129. *Krock. n.* 474.

*R. virginianum.* *Boerh.* ii. 229. *Raii hist.* 1591. *Park. theatr.* 1450.

*R. virginiana.* *Park. parad. t.* 609. f. 6.

*RHUS virginianum.* *Alst.* ii. 370. *Chom.* 611. *Dale* 315. *Geoffr. suite* ii. 222. *Monro* iii. 233.



## 286. VIBURNUM.

*Calyx* superior, quinquepartite. *Corolla* quinquefid.  
*Berry* monospermous. *L.*

1. VIBURNUM *Tinus*. Leaves entire at the margin, ovate, with villose glands at the ramifications of the veins of the under side. *L. sp.* 383. *Asso n.* 273. *Gouan hort.* 153. Near Montpellier.—*H. K.* i. 370. *Curt. mag. t.* 38.

Native of Spain, Portugal, Italy, and Languedoc.

*LAURUS Tinus. Dale* 296.

- $\alpha$  *lucidum*.—Leaves ovato-oblong, glabrous, lucid.  
*H. K.*  $\beta$

*V. lucidum. Mill. Ph. dict. n.* 5.

*V. Tinus*  $\beta$ . *Gouan monsp.* 38.

*Tinus sylvestris, foliis venosis. Raii hist.* 1690.  
*Magn. hort.* 114.

*Tinus* II. *Boerh. ii.* 225. *Clus. hisp.* 82, repr. in  
*hist. i.* 49, cop. in *Dalech.* 204, repr. in

*Tinus, Laurus sylvestris. Dod.* 838, &

*Laurus Tinus lusitanica. Ger. by Johns.* 1409, and  
 cop. in

*Laurus Tinus alter, vel 2 Clusii. Park. theatr.* 206,  
 &

*Laurus Tinus, seu sylvestris. Bauh. J. i. a.* 418.

- $\beta$  *virgatum*.—Leaves lanceolato-oblong; margin and veins of the under side pilose. *H. K.*  $\gamma$

*V. Tinus. Mill. Ph. dict. n.* 4. *Gouan hort.* 153.  
 Near Montpellier; *monsp.* 38  $\alpha$

*Laurus Tinus caerulea bacca. Raii europ.* 161.  
 About Rome and Tivoli, and near Montpellier.

*Laurus sylvestris, folio minore. Raii hist.* 1690.

*Laurus Tynnus caerulea bacca. Lob. adv.* 424.

*Laurus sylvestris*, corni foeminae foliis subhirsutis.

*Magn. monsp.* 152; *hort.* 114.

*Tinus* III. *Boerh.* ii. 225. *Clus. hisp.* 83, repr. in *hist.* i. 49, cop. in *Dalech.* 204, & repr. in

*Laurus Tinus.* *Ger. by Johns.* 1409. *Dalech.* 204.

*Laurus Tinus*, sive *sylvestris.* *Park. parad. t.* 399. f. 4.

*Tinus altera.* *Bauh. J. i. a.* 419.

*Stem* 30 feet long, flowering to the top. *Leaves* ovato-elliptic; margin of the lower half hirsute, that of the upper half glabrous. *Style* conic, white. *Stigma* obtuse. *Obs.* 7039. In a sheltered corner of the south front of Norton house Great Norton Derbyshire. 6 May.

2. *VIBURNUM laevigatum.* Leaves lanceolate, smooth, serrate; margin entire at the base; serratures remote. *Hort. kew.* i. 371.

*V. cassinoides.* *Mill. Ph. dict. n.* 9.

*Cassine Peragua.* *L. mant.* 220.

*Cassine verae* perquam similis arbuscula, foliis antagonistis. *Pluk. mant.* 46; *phyt. t.* 381. f. 3.

*PERAGUA.* *Berg.* 238. *Linn.* 102. *Schoepf* 40. *Vog.* 112.

*Perygua.* *Dale* 319.

3. *VIBURNUM prunifolium.* Leaves obovato-subrotund and elliptico-oval, acuminate, glabrous, acutely serrate. Petioles marginate. *Obs.* 7970. Specimen gathered in Fothergill's garden, & from *Hort. kew.* i. 371. *L. sp.* 383.

*V. foliis subrotundis serratis glabris.* *Gron. virg.* 47; *ed. i.* 33.

*VIBURNUM prunifolium.* *Schoepf* 40.

4. **VIBURNUM farinosum.** Leaves crenato-serrate, tomentose underneath. Cymes terminal. *Obs.* 4494. Specimens gathered on the eastern side of Worcester, in Oxfordshire, and the isle of Wight, on the sides of wet ditches.

V. *Lantana.* *L. sp.* 384. *Krock. n.* 475. *Bot. arrang.* 318. *Jacq. austr. iv. t.* 341. *Smith engl. t.* 331; *brit.* 334. *Walc. t. Scop. carn. n.* 369. *Gouan hort.* 153. Near Montpellier.—*Pollich n.* 310.

*Viburnum.* *Raii hist.* 1590; *syn.* 460. *Tourn. paris.* 169. *Vaill. paris.* 202. *Rupp. ab Hall.* 41. *Boerh. ii.* 224. *Dalech.* 256.

*Lantana.* *Dod.* 769, repr. in *Viurna vulgi gallorum et Ruellii.* *Lob. obs.* 591, & *Lantana, sive Viburnum.* *Ger. by Johns.* 1490.

Leaves oval ovate cordato-ovate elliptic and subrotund, mostly unequal at the base. Style conic. Stigma obtuse. *Obs.* 5686. In a garden.

**VIBURNUM.** *Dale* 314. *Geoffr. suite iii.* 307.

5. **VIBURNUM Opulus.** Leaves lobate. Petioles with glands. *L. succ. n.* 264; *sp.* 384. *Bot. arrang.* 318. *Smith engl. t.* 332; *brit.* 335. *Krock. n.* 476. *Fl. dan. t.* 661.

*a europaeum.*—Smaller branches green, dull. *Hort. kew. i.* 372.

V. *foliis lobatis, petiolis glandulosis.* *L. succ. n.* 264.

*Opulus.* *Tourn. paris.* 215. *Vaill. paris.* 146. *Boerh. ii.* 224. *Dill. ap. Raii syn.* 460. *L. succ. ed. i. n.* 219.

*Sambucus aquatica.* *Cam. epit.* 977, lower fig.—*Lob. adv.* 444, repr. in *ic. ii.* 201. *Bauh. J. i. a.* 552. (The fig. is ♂) *Trag.* 1002, repr. in



*Lycostaphylon*. *Cord. fol.* 175. p. 1.

*Sambucus palustris*. *Dod.* 834, repr. in

*Sambucus aquatilis*, sive *palustris*. *Ger. by Johns.*

1424. In fruit.—*Raii syn. ed.* ii. 304; *hist.* 1586.

*Sambucus aquatica*, sive *palustris*. *Park. theatr.*

209, lowermost fig.

*Sambucus aquatica*, *Thraupalus Theophrasti*. *Dalech.* 270.

*Sambucus rosea*. *Bauh. J. i. a.* 553. (The name

and description belong to  $\beta$ )

*OPULUS*. *Geoffr. suite i.* 257.

$\beta$  *edule*. Dwarf, straight, with many stems. Leaves with very short lobes, denticulato-serrate; teeth acuminate. From

*VIBURNUM Opulus*  $\gamma$  *Michaux i.* 180.

## 287. PALIURUS.

*Calyx* quinquefid. *Petals* 5, obovate, inserted into the calyx. *Nectarium* glandular, orbicular, surrounding the styles. *Styles* 3. *Drupe* dry, with a flat circular wing round the middle. *Nut* with 3 and 4 cells. *Seeds* solitary. *Obs.* 5610. *Juss.* —*Boerh.* ii. 236. *Tourn.*

1. *PALIURUS solitarius*. *Obs.* 5610. Specimen gathered in the Paris garden.

*Rhamnus Paliurus*. *L. sp.* 281. *Hort. kew.* i. 267.

*Willich obs. n.* 10.

*Paliurus*. *Raii hist.* 1708. In Italy, and about

Montpelier.—*Boerh.* ii. 236. *Dod.* 744, repr. in

*ed.* ii. 756. *Dalech.* 143. *Lob. obs.* 593, repr. in *ic.* ii. 179, and *Ger. by Johns.* 1336, & cop. in



- P. sive Rhamnus tertius Dioscoridis. *Park. theat.*  
1007, & *parad. t.* 605. *f.* 7  
Rhamnus, sive P. folio jujubino. *Bauh. J.* i. b.  
35. In Italy, and the south of France.  
*PALIURUS.* Dale 334. *Geoffr. suite i.* 308.  
*Vog.* 170

## 288. SAMBUCUS.

*Calyx* semi-inferior, quinquedentate. *Corolla* rotate,  
quinquepartite. *Style* none. *Berry* with 3 seeds.  
*Obs.* 466. *L.*

1. *SAMBUCUS racemosa.* Racemi compound. *Obs.*  
5888. In a garden.—*L. sp.* 386. *Hort. kew.* i.  
374. *Scop. carn. n.* 373. *Pollich n.* 314. *Roth*  
*germ.* i. 137. *Sibth. prodr. n.* 722. *Host* 173.  
*Krock. n.* 479. *Jacq. coll. i.* 36; *ic. i. t.* 59.  
*S. caule* arboreo ramoso, floribus racemosis. *Royen*  
243.  
*S. racemis* compositis ovatis, caule arboreo. *Kram.*  
84.  
*S. racemosa rubra.* *Boerh. ii.* 223. *Raii hist.*  
1610, in the Carinthian alps, on the mountains  
about Geneva, and on la Grande Chartreuse; eu-  
rop. 226.  
*S. sylvestris.* *Trag.* 1000, *cop. in Dalech.* 98.  
*S. montana racemosa.* *Lob. adv.* 444, *cop. in ic.* ii  
163, outer fig.—Inner fig. *cop. in*  
*S. racemosa, vel cervina.* *Ger. by Johns.* 1423.  
*S. montana.* *Cam. epit.* 976.  
*S. racemosa, acinis* rubris. *Bauh. J. i. a.* 551.  
In Franche Comté, Burgundy, Loraine, on Mount  
Saleve near Geneva, and in the Grisons.

*Stem* shrubby. *Leaves* pinnate. *Glands* between and at the base of the petioles. *Racemi* ovate and roundish. *Obs.* 5888.

*Native* of Greece, Austria, the country of the Grisons, Switzerland, Franche Comte, Burgundy, and Loraine.

*SAMBUCUS montana.* *Dale* 320. *Mill. Jos.* 389.

2. *SAMBUCUS herbacea.* *Cymes* tripartite and quinquepartite. *Leaves* pinnate; folioles lanceolate. *Stipulae* petiolate. *Obs.* 5887. In a garden.

*S. Ebulus.* *L. succ. n.* 266; *sp.* 385. *Bot. arrang.* 319. *Curt. lond.* iii. 18. *t.* 213. *Smith brit.* 336; *engl. t.* 475. *Woodv.* iv. 128. *t.* 260.

*S. humilis, sive Ebulus.* *Raii hist.* 1611; *syn.* 461.

*Ebulus.* *Matth.* 1270. *Cam. epit.* 979. *Dalech.* 269. *Fuchs.* 65. *c.* 20, *imit. in. Trag.* 796. *Dod.* 377, *repr. in ed.* ii. 381, *Lob. obs.* 589; *ic.* ii. 164, &

*Ebulus, sive S. humilis.* *Ger. by Johns.* 1426, and *cop. in*

*Ebulus, sive S. herbacea.* *Bauh. J. i. b.* 549.

*S. Ebulus vulgaris.* *Park. theatr.* 209. (The separate leaf is a variety with laciniate leaves.)

*Stipulae* foliaceous, ovate, sometimes at the base of the petiolules. *Cymes*, 2 outer branches opposite, 3 inner decussate with respect to the 2 outer. *Corollae* campanulato-rotate. *Obs.* 5887.

*EBULUS.* *Pharm. austriaco-prov.* 36. *succ.—* *Alst. i.* 438. *Berg.* 240. *Dale* 319. *Geoffr.* iii. 415. *Herm.* 144. *Krock. n.* 477. *Lew.* ii. 327; *disp. by Dunc.* 347; *by Rother.* 156. *Linn.* 103. *Mill. Jos.* 182. *Murr.* iv. 22. *Quarin animad.*

157. 177. 187. *Rutty* 171. *Spielm.* 576. *Vog.* 61. 237. 253.

*S. Ebulus.* *Pearson, R.* i. 209.

*S. humilis*, sive *Ebulus.* *Chom.* 21; *suppl.* 11.

3. *SAMBUCUS canadensis.* Cymes quinquepartite. Leaves bipinnate; lower pinnae ternate; folioles ovate. Stem frutescent. *From L.—H. K.* i. 374.

*SAMBUCUS.* *Schoepf* 41.

*S. nigra.* *Marsh.* 141?

4. *SAMBUCUS nigra.* Cymes quinquepartite. Leaves pinnate, and doubly pinnate. Stem arboreous. *Obs.* 466. In hedges.—*L. succ. n.* 265; *sp.* 385. *Bot. arrang.* 320. *Woodv.* ii. 219. *t.* 78. *Smith brit.* 336; *engl. t.* 476. *Fl. dan. t.* 545. *Huds.* 130. *Lightf.* 171.

*α pulla.* *Hort. kew.* i. 374.—Leaves pinnate. Berries black. *Obs.* 466.

*S. fructu in umbella nigro.* *Boerh.* ii. 223.

*Sambucus.* *Cam. epit.* 975. *Fuchs.* 64. *ed. fol. cop. in* 65. *ed.* 12mo, c. 20. *Trag.* 997. *Raii syn.* 461. *Dalech.* 266. *Ger. by Johns.* 1422. *Dod.* 832, repr. in *Lob. ic.* ii. 161; &

*S. fructu albo.* *Ger. by Johns.* 1422, & *cop. in*

*S. vulgaris.* *Park. theatr.* 208. *Bauh. J.* i. a. 544. *Raii hist.* 1609.

*Umbels* 7 times divided. *Germen* cut transversely at the base of the calyx exhibiting a section of 3 seeds. *Obs.* 466.

*SAMBUCUS.* Inner bark. Flowers. Berries. *Pharm. lond.—Alst.* i. 439. *Bang in act. haun.* i. 104. 246. *Berg.* 242. *Boerh.* 206. *Cartheus.* i. 269; ii. 518. *Cull.* ii. 534; *clin.* 249. *Dale*



319. *Geoffr. suite* ii. 345. *Heberd.* 328. *Herm.* 357. 598. *Hill* 443. *Krock. n.* 478. *Lew.* ii. 325. *Linn.* 103. *Mill. Jos.* 387. *Monro* iii. 245. *Murr.* iv. 13. *Ploucq. bibl.* i. 316. 602. 661. 666. *Quarin febr.* 18. 43. 78. 89. 133. 141. 143. 144. 150. 151. 157. 182. 204. 230. 239. 276. 279. 285. 287. 305. 334. 345. 421. 423. 426. 427; *animad.* 6. 45. 160. 177. 276. 290. 294. 305. *Rutty* 456. *Spielm.* 576. *Stoll med.* i. 20. 103. 121; iii. 149. 297. 431. *Vog.* 136. 150. 263. 296.

*S. nigra.* *Pharm. edin.*—*Lew. disp. by Dunc.* 301. *Murr. J.* ii. 22. *Pearson, R.* i. 209. 262. *S. fructu in umbella nigro.* *Chom.* 19; *suppl.* 7. Elderberries. *Lew. in Neum.* ii. 234.

β *viridis.* *Hort. kew.* i. 374.—Leaves pinnate. Berries white or greenish. *Obs.* 762. Specimens from a lane at Bordesley near Birmingham.—*L. β. Bot. arrang.* 321. β

*S. fructu in umbella viridi.* *Boerh.* ii. 223.

*S. fructu albo.* *Lob. ic.* ii. 162, *repr. in Sambucus.* *Ger. by Johns.* 1422.

*SAMBUCUS nigra β. Bot. arrang.* 321.

5. *SAMBUCUS integerrima.* Folioles entire at the margin. *From*  
*SAMBUCUS nigra.* *Lour.* i. 226.

## 289. STAPHYLEA.

*Calyx* quinquepartite. *Petals* 5. *Styles* 3 and 2. *Capsules* inflated, connate, 3 and 2. *Nuts* 2, 3, and 1 in each capsule. *Obs.* 260. *L.*



1. STAPHYLEA *pinnata*. Leaves pinnate. *L. sp.* 386. *Krock. n.* 480. *Bot. arrang.* 322. *Smith brit.* 337; *engl. t.* 1560. *Jacq. vind.* 53, mountainous woods and thickets.—*Host* 174. In woods in Austria.—*Roth germ.* i. 137, in hedges near towns; ii. 368. *Mill. Ph. dict. n.* 1. In woods in several parts of England.—*Sibth. prodr. n.* 723. In hedges between Smyrna and Bursa.—*Gouan hort.* 154.

Staphylodendron pinnatum. *Scop. carn. n.* 374. In woods.

Staphilodendron, sive Pistacia agrestia. *Cam. epit.* 171.

Pimpernuszle germanorum. *Lob. adv.* 414, repr. in

Staphylodendrum Plinii. *Lob. ic.* ii. 103. outer fig. —inner fig. repr. from

Staphylodendrum. *Lob. obs.* 540, which cop. in

Staphylodendron. *Bauh. J.* i. a. 274, between Soleure and Wallenburg in Switzerland; and *Park. theatr.* 1418, found at Ashford in Kent, and Milton near Cambridge;—*parad. t.* 609. f. 4. *Boerh.* ii. 235. *Raii cat. ed.* i. 292. In hedges near Pontefract; *hist.* 1681; *syn.* 468. *Dalech.* 102.

Staphilodendron. *How* 119. In some woods on the further side of Yorkshire.

Nux vesicaria. *Dod.* 806, repr. in *Ger. by Johns.* 1437. *Park. parad.* 611. no fig. He observes that its greatest use is to be received into an orchard or to make a hedge.

*Nectarium* orbicular, whitish green, with an elevated border with 5 obtuse angles. *Styles* 2 and 3, adherent above. *Obs.* 260. In a garden.—*Capsules* 2. *Nuts* solitary, globoso-obovate, whitish brown, shining, with a white transversely oval de-

pression at the base. *Cotyledons* 2, obovate, flat, light green, invested by a white fleshy perispermum. *Obs.* 6064. In a garden. 25 Sept.

*Native* of Asia minor, Carniola, Austria, and Switzerland, and apparently naturalised in the north of Germany and England.

**STAPHYLODENDRON.** *Dale* 329.

## 290. TAMARIX.

*Calyx* quinquepartite. *Petals* 5 or 4. *Filaments* 5 to 10, distinct or monadelphous. *Stigma* 3 or 1. *Capsule* of 1 cell, and 3 valves. *Seeds* pappose. *Obs.* 3733. *L.*

1. **TAMARIX gallica.** *Filaments* distinct. *Stigmata* 3. *Obs.* 3734. Specimen gathered by Mr. Boraston at Gibraltar.—*L. sp.* 386. *Hort. kew. i.* 375. *Maton in linn. trans.* iii. 333; and *Turner in linn. trans.* v. 236. On St. Michael's mount Cornwall.—*Smith engl. t.* 1318; *brit.* 338. Found by Dr. Goodenough on a cliff to the east of Hastings in Sussex.—*Gouan hort.* 155. On the sea coast.—*Host* 174.

*T. floribus pentandris.* *Guett.* ii. 452. On the western coast of France.—*Mill. Ph. ic.* 175. t. 262. f. 1. *Asso n.* 277.

*Tamariscus norbonensis.* *Lob. adv.* 447, *repr. in ic.* ii. 218, & *cop. in*

*T. narbonensis.* *Dalech.* 180.

*Myrica.* *Cam. epit.* 74. f. 1.

*Tamariscus narbonensis.* *Boerh.* ii. 257. *Ger. by Johns.* 1378, *repr. from*

*Myrica silvestris* I. *Clus. hisp.* 105, which repr. in *hist.* i. 40, & cop. in

*T. major, sive arborea narbonensis.* *Bauh. J.* i. b. 350. *Raii hist.* 1704. On the sea coast near Montpellier.

*Myrica prima.* *Raii europ.* 185.

*Tamariscus folio tenuiore.* *Park. theatr.* 1479.

The description. The fig. is under the title of *Myrica, sive Tamariscus.* *Park. theatr.* 1479. f. 1. 1.

Native of Arragon, and according to Townsend of Murcia and New Castile especially on gypsum, and of the sea coasts of the Mediterranean, and those of the west of France and south of England.

*TAMARISCUS narbonensis.* *Chom.* 256.

*Tamariscus.* *Alst.* ii. 28. *Berg.* 245. *Dale* 333.

*Geoffr. suite* iii. 143. *Linn.* 104. *Mill. Jos.* 431.

*Murr.* ii. 90. *Rutty* 507. *Vog.* 139. 293.

2. *TAMARIX monogyna.* Filaments monadelphous.

Stigma one. *Obs.* 3733. In a garden.

*T. germanica.* *L. sp.* 387. *Hort. kew.* i. 375.

*Asso n.* 278. *Host* 174. In sandy places on the banks of rivers.—*Fl. dan.* t. 234. Islands near Bergen in Norway.—*Dalech.* 180, cop. from

*Tamariscus germanica.* *Lob. adv.* 447, which repr. in *ic.* ii. 218. *Boerh.* ii. 257. *Ger. by Johns.* 1378, repr. from

*Myrica pannonica.* *Clus. pann.* 27, which repr. in

*Myrica sylvestris* II. *Clus. hist.* i. 40.

*Tamariscus germanicus.* *Scop. carn. n.* 375.

*T. floribus decandris.* *Mill. Ph. ic.* 175. t. 262. f. 2.

*Myrica sylvestris altera.* *Raii europ.* 185. On the



banks of rivers about Vienna, Lindaw, and Geneva.

*Myrica*, seu *Tamariscus*. *Park. theatr.* 1479. f. 3, the description under the title of *Tamariscus folio latiore*. *Park. theatr.* 1479. *Raii hist.* 1705.

*T. germanica*, sive minor fruticosa. *Bauh. J. i. b.* 351. (The fig. seems to be *T. gallica*.)

*T. sylvestris*. *Fuchs.* 497. c. 195, cop. in *Myrica*. *Trag.* 955. *Cam. epit.* 74. f. 2.

Native of Spain, Switzerland, Austria, and Hungary.

*TAMARISCUS germanica*. *Chom.* 255; suppl. 85. *Dale* 333. *Geoffr. suite iii.* 141.

*Tamariscus*. *Pharm. austriaco-prov.* 70.—*Herm.* 212. *Schreb. ap. Linn.* 104. *Spielm.* 230.

## 291. PHARNACEUM.

*Calyx* pentaphyllous. *Petals* 5, very minute, or none. *Capsule* trilocular, with many seeds. *From L.*

1. *PHARNACEUM Mollugo*. Peduncles uniflorous, lateral. Flowers as long as the leaves. *Petals* 5. *From L. mant.* 561. 358.

*Mollugo Spergula*. *L. sp.* 131; *mant.* 328. *Burm. N. ind.* 31. t. 5. f. 4.

*Alsine erecta pentaphylla*, flore albo. *Burm. J. zeyl.* 13. t. 7.

*PHARNACEUM Mollugo*. *Lour. i.* 230.



## 292. BASELLA.

*Calyx* none. *Corolla* septemfid, at length becoming a kind of berry; 2 of the segments which opposite broader. *Seed* 1. *L.*

1. *BASELLA rubra*. Leaves flat. Peduncles simple. *L. sp.* 390. *Hort. kew.* i. 380.

*B. nigra*. *Lour.* i. 229.

*GANDOLA rubra*. *Rumph.* v. 417. t. 154. f. 2.

2. *BASELLA alba*. Leaves ovate, waved. Peduncles simple, longer than the leaves. *L. sp.* 390. *Hort. kew.* i. 380.

*GANDOLA alba*. *Rumph.* v. 417.

## 293. SAROTHRA.

*Calyx* quinquepartite. *Petals* 5. *Capsule* unilocular, trivalve. *From L.*

1. *SAROTHRA gentianoides*. *L. sp.* 391. *Hort. kew.* i. 380.

*Sarothra*. *Gron. virg.* 47.

*Centaurium minus spicatum*, angustissimo folio, sive scoparium marilandicum novum. *Pluk. phyt.* t. 342. fol. 43. pl. 4.

*SAROTHRA gentianoides*. *Schoepf* 41.

# TETRAGYNIA.

## 294. PARNASSIA.

*Calyx* quinquepartite. *Petals* 5. *Nectaria* 5, cordate, ciliate; hairs with globular heads. *Capsule* of 4 valves. *L.*

1. PARNASSIA *palustris*. *L. suec. n.* 268; *sp.* 391; *mant.* 359. *Bot. arrang.* 325. *Fl. dan. t.* 584. *Mill. J. ill. t.* *Smith engl. t.* 82; *brit.* 340.

*P. vulgaris*, et *palustris*. *Dill. ap. Raii syn.* 355.

*P. palustris*, et *vulgaris*. *Tourn. paris.* 513. *Vaill. paris.* 157.

*Gramen parnasium*. *Dod.* 554, *repr. in ed. ii.* 564; *cop. in*

*Gramen parnassi duplici*. *Park. theatr.* 429, (The name and descr. belong to  $\beta$ ) *repr. in*

*Gramen parnassi*. *Lob. obs.* 330; *ic. i.* 608, and *Ger. by Johns.* 840. *Dalech.* 1005. *Bauh. J.* iii. 537. *Raii hist.* 1049; *syn. ed. ii.* 214.

*Pyrola palustris nostras*, flore ampliore simplici. *Hist. ox. s.* 12. *t.* 10. *row* 3. *f.* 3.

*Hepatica alba*. *Cord. fol.* 152. *p.* 2.

HEPATICA *alba*. *Berg.* 246. *Dale* 236. *Linn.* 104. *Krock. n.* 484.

## 295. HYDNOCARPUS.

*Calyx* pentaphyllous. *Petals* 5. *Nectaria* 5. *Style* none. *Stigmata* 4. *Berry* unilocular, po-

lyspermous. From Gaertn. i. 288. t. 60. f. 3,  
&

1. HYDNOCARPUS *incbrians*. Vahl.  *symb.* iii.  
100.

MAKULU. Herm. *z eyl.* 50. L. *z eyl.* n. 637.

## 296. EVOLVULUS.

*Calyx* pentaphyllous. *Corolla* quinquefid, rotate.  
*Capsule* trilocular and quadrilocular. *Seeds* so-  
litary. From L. and Swartz.  *obs.* 118.

1. EVOLVULUS *hirsutus*. Leaves ovate, sessile,  
hirsute. Stems pilose. Peduncles mostly uniflo-  
rous. From L. a Willd. i. 1517? Lamarck.

Anagallis *hirsuta*, foliis solitariis alternis, floribus  
caeruleis petiolo articulato insidentibus. Burm.  
*J. z eyl.* 19. t. 9. *Corolla* and *calyx* quadrifid.  
Stamina 4.

*Alsine hirta minor*, foliis alternis, floribus solitariis.  
Burm. *J. z eyl.* 11. t. 6. f. 1 is described as hav-  
ing pentapetaloid flowers.

(*E. alsinoides*. L.  *sp.* 392, and Burm. *N. ind.* 77,  
has triflorous peduncles.

*Convolvuli minimi species bisnagarica, hirsuto alsines*  
*folio*. Pluk.  *alm.* 116, figured in

*Alsines facie Myosotis bisnagarica frutescens, flosculis*  
*pallide flavescentibus, cujus folia sunt ad caulem*  
*alternò posita*. Pluk.  *phyt.* t. 9. f. 1, has a  
*campanulate corolla with an even margin, and is*  
*described as frutescent.*)

VISTNU-CLANDI. Rheede xi. 131. t. 64.



## PENTAGYNIA.

## 297. ARALIA.

*Calyx* quinquedentate. - *Petals* 5. *Germen* inferior.  
*Styles* 3 to many, mostly 5. *Berry*, or *Pomum*?  
 with 5 cells. *Obs.* 4177. *Juss.* 218. *Smith pict.*  
*i. fol.* 4. *p.* 2. *L.*

1. *Leaves lobate.* *L. a W.*

1. *ARALIA palmata.* *Leaves* quinquelobate. *Stem*  
 climbing. *From* *Lour.* i. 233.

2. *Leaves digitate.* *L. a W.*

2. *ARALIA octonata.* *Leaves* octonate. *Stem* arbo-  
 reous, unarmed. *From*  
*ARALIA octophylla.* *Lour.* i. 233.

3. *ARALIA spinosa.* *Stem* arboreous, aculeate. *Fo-*  
*lioles* aculeate. *L. sp.* 392. *Hort. kew.* i. 382.  
*ARALIA spinosa.* *Coxe* 367. *Schoepf* 42.

4. *ARALIA racemosa.* *Stem* herbaceous, unarmed.  
*Leaves* decompound. *Umbels* racemose. *Obs.*  
 3094. *In* Mr. Hunter's nursery.—*L. a Willd.* i.  
 1521; *sp.* 393. *Hort. kew.* i. 382.

*Aralia.* *L. ups.* 70.

*A. caule folioso laevi.* *Vaill. in phil. trans. abr. by*  
*Jones* iv. part ii. 320; & *by Hult.* vi. 316.

*Panaces carpimon, sive racemosa canadensis.* *Raii*  
*hist.* 661.



*Panax* carpimon, seu racemosa americana. *Park. theatr.* 950.

Native of New England, and Canada.

*ARALIA* racemosa. *Schoepf* 42.

*A. caule folioso herbaceo laevi. Cull. in amer. acad.* i. 431.

5. *ARALIA nudicaulis.* Stem nearly naked. Leaves 2, ternate. *L. sp.* 393. *Hort. kew.* i. 382.

*A. caule aphylo, radice repente. Vaill. in phil. trans. abr. by Jones* iv. part ii. 320; & by *Hutt.* vi. 315.

*A. caule nudo. Gron. virg.* 48.

*A. canadensis, aphylo caule. Boerh.* ii. 63.

*Christophoriana virginiana, zarzac radicibus surculosis et fungosis. Pluk. alm.* 98; *phyt. t.* 238. f. 5.

Root terete, sulcate, throwing out radicles and stems at various distances, thicker near the insertion of the stems, brittle, consisting of a yellowish whitish wood which has somewhat of an oily aromatic flavour, a white pith in the center, a thinnish rind of a loose spongy texture and light yellowish brown colour, with a just sensible flavour similar to that of the wood, and a silvery whitish brown cuticle bursting transversely and apparently jointed at unequal distances. Stems ascending from the root, as thick again as the middle of the root, thickening upwards, from 1 to 1½ foot long. *Folioles* elliptic and acuminate and ovate, lateral ones generally unequal at the base, terminal ones attenuate below. *Obs.* 8390. Specimens gathered by Dr. Cutler in New England, compared with those in Sir Jcs. Banks's herbarium.

*Native of Virginia, New England, and Canada.*

*ARALIA nudicaulis. Coxe 367. Schoepf 43.*

*Virginian or English Sarsaparilla. Neum. ii. 158.*

*Salse-pareille. Geoffr. ii. 137.*

*Sarsaparilla. Cutl. in amer. acad. i. 432.*

*minor. (Variation.) Folioles ovate and roundish, shortly acuminate. Obs. 8391. Specimen gathered by Dr. Cutler in New Hampshire in New England.*

### 298. STATICE.

*Calyx quinquedentate, plaited, scariose, permanent.*

*Corolla quinquepartite and quinquefid. Capsule of 1 cell, without valves, with one seed. Obs. 4929. 7206. L.*

#### 1. *Flowers in heads.*

1. *STATICE Armeria.* Scapus simple. Bracteae between the flowers. Teeth of the calyx mucronate. Leaves lanceolate. *Obs. 7661. Specimen gathered at Ostend.—L. suec. n. 269; sp. 394 a. Hort. kew. i. 383 a. Mill. Ph. dict. n. 1. Pollich n. 317.*

*Statice. Dalech. 1190. Tourn. paris. 253. Vaill. paris. 189. Boerh. i. 132. Magn. hort. 189.*

*Caryophyllus cauliculis pedalibus. Lob. adv. 189. No fig. In the vallies of the Cevennes and other places in the interior of Languedoc.*

*Gramen polyanthemum majus. Dod. 554, repr. in Caryophyllus montanus, sive mediterraneus. Lob. ic. i. 452, &*

*Caryophyllus mediterraneus.* *Ger. by Johns.* 602,  
& *cop. in*

*Gramen marinum mediterraneum majus, S. quibusdam.*  
*Park. theatr.* 1279,

*Caryophyllus mediterraneus, sive marinus major.*

*Park. parad.* 317. *t.* 315. *f.* 6, from seed gathered  
by Boel in Spain; &

*Gramen marinum majus.* *Tab. ic.* 229.

*Caryophyllus montanus major, flore globoso.* *Raii*  
*hist.* 1037; *europ.* 89, near Mentz.

*Flos caryophylleus aphyllorcaulos, vel junceus major.*  
*Bauh. J.* iii. 336, near Lyons and Paris.

*Leaves* lineari-lanceolate,  $1\frac{1}{2}$  tenth of an inch broad,  
to 3 inches long, glabrous, with 5 ribs; margin ob-  
soletely scabrous. *Scapi* from 14 to 16 inches long,  
slightly bowed,  $\frac{1}{2}$  of the tenth of an inch broad.

*Heads* roundish,  $\frac{1}{4}$  of an inch broad. *Bracteae*,  
outermost mucronate, inner obtuse cuspidate, those  
between the flowers obovate, crenulate, membrana-  
ceous. *Flowers* pedicellate. *Pedicles* short, termi-  
nated obliquely. *Germen* deltoid, terete, pentagon-  
al, quinquesulcate. *Obs.* 7661.—*Petals* oblong, at-  
tenuate downwards, purplish pink. *Obs.* 8114.

In Mr. Knowlton's garden.—*Leaves* lineari-lanceo-  
late, 2 tenths of an inch broad, 5 inches long. *Sca-*  
*pi* ascending, 14 inches long,  $\frac{1}{4}$  of the tenth of an  
inch broad. *Heads* roundish, 1 inch broad. *Obs.*  
7662. Specimen from Mr. Hunter's nursery.

*STATICE.* *Geoffr. suite* iii. 124.

2. *STATICE Limonium.* *Scapus* paniculate, terete,  
glabrous. *Leaves* oval elliptic and lanceolate,  
ribless, glabrous, cuspidate. *Obs.* 4485. Speci-  
men from Freistone-shore Lincolnshire.—*L. succ.*  
*n.* 270; *sp.* 394; *a Murr.* 300. *Bot. arrang.*



327. *Huds.* 132. *Smith engl. t.* 102; *brit.* 341.

*Roth germ.* ii. 375. *Fl. dan. t.* 315.

**LIMONIUM.** *Dale* 111.

*Behen rubrum.* *Berg.* 248. *Geoffr.* ii. 18. *Linn.*

105. *Mill. Jos.* 80. *Murr.* i. 176. *Schoepf* 43.

*Schrod.* 544. *Vog.* 233.

Marsh Rosemary. *Baylies in med. pap.* 47.

$\alpha$  *ovalifolia.* (Variation.) Leaves oval and elliptic.

*Obs.* 4485. *L. \alpha*

*Limonium vulgare.* *Mill. Ph. dict. n.* 1.

*Limonium maritimum majus.* *Boerh.* i. 76.

*Limonium.* *Raii syn.* 201, the greater variety as when growing in salt marshes.—*Lob. obs.* 157, *repr. in ic.* i. 295, *Ger. by Johns.* 411, &

*Valerianae rubrae similis*, pro *limonio missa.* *Dod.* 318, & *cop. in*

*Limonium majus multis*, aliis *Behen rubrum.* *Bauh. J.* iii. 876.

*Limonium Matthioli.* *Dalech.* 1024.

Leaves to 4 inches long, and to 1 inch 3 tenths broad. *Scapus* 9 inches long. *Flowers* crowded. *Obs.* 4485.

$\beta$  *lanceifolia.* (Variation.) Leaves lanceolate. *Obs.* 7664. Specimen gathered on the shores of the isle of Wight.

Leaves to  $2\frac{1}{2}$  inches long, and to 6 tenths of an inch broad. *Scapus* to  $6\frac{1}{2}$  inches long. *Obs.* 7664.

$\gamma$  *minor.* (Variation.) Leaves lanceolate, 1 inch long. *Obs.* 7665. Specimen gathered by Mrs. Watt on the coast of Cornwall.—*Bot. arrang.* 327  $\beta$  *par.* 4.

*Limonium.* *Raii syn.* 201, the smaller variety growing on cliffs and in the fissures of rocks.

*Limonium minus.* *Doody ap. Raii syn.* 202. Found



by Dillenius near Harwich, and by Dale at Ramsgate in Kent.

*Leaves* 2 tenths of an inch broad, gradually tapering downwards. *Petioles* 2-3rds of the tenth of an inch broad. *Scapus*  $3\frac{1}{2}$  inches long. *Obs.* 7665.

### 299. LINUM.

*Calyx* pentaphyllous. *Petals* 5. *Capsule*, valves and cells 10. *Seeds* solitary. *Obs.* 4146. *L.*

#### 1. *Leaves alternate.* *L.*

1. *LINUM usitatissimum.* *Leaves* lanceolate, entire at the margin. *Phylla* ovate, mucronate, microscopically ciliate. *Petals* crenate. *Stem* annual. *Obs.* 4493. In a cornfield.—*L. sp.* 397. *Mill. Ph. dict. n.* 1, who remarks that when cultivated in fields the stems are simple and  $1\frac{1}{2}$  foot long, but when allowed room have 2 or 3 branches and become upwards of 2 feet long.

*Native* of the south of Europe, and at least naturalised in Cornwall, Devonshire, and Dorsetshire.

*arvense.* *Capsules* not opening as soon as ripe. *From*

*L. sylvestre.* *Trag.* 354. No fig. The descr. cop. in

*L. sylvestre vulgatus.* *Park. theatr.* 1334, &

*L. silvestre, sativum plane referens.* *Bauh. J.* iii. b. 452. No fig.—*Raii syn.* 362, who considers it as differing no otherwise than as an uncultivated plant.

*L. usitatissimum.* *Curt. lond. v.* 22. t. 316. *Lighf.* 173. *Turner in linn. trans. v.* 236. *Cliffs*

at Falmouth in Cornwall.—*Huds.* 132. Cornfields and sandy pastures in Dorsetshire and Devonshire.—*Bot. arrang.* 328. *Smith brit.* 342; *t.* 1357, and *Woodv.* 303. *t.* 111, with 4 flowers in blossom at once.—*Asso n.* 285. *Host* 177. *Scop. carn. n.* 381. Dry and barren pastures.—*Gouan hort.* 158. Near Montpellier.—*Sibth. prodr. n.* 742. Plains about Constantinople.

*L. angustifolium.* *Magn. monsp.* 160.

*L. arvense.* *Magn. hort.* 121. *Vaill. paris.* 118. *Boerh. i.* 284. Annual.—*Raii hist.* 1073.

β *sativum.* Capsules opening as soon as ripe. *From*

*L. germanicum.* *Trag.* 353.

*Linum. L. phil.* 261. *Raii syn.* 362. Cultivated in fields.—*Fuchs.* 471. *ed. fol. cop. in* 461. *c.* 179, and *Bauh. J. iii. b.* 450. *Lob. obs.* 225, *repr. in*

*L. sativum vulgare caeruleum.* *Lob. ic. i.* 412, *cop. in*

*L. sativum, sive vulgare.* *Park. theatr.* 1335, and *repr. in*

*L. sativum.* *Dod.* 524, and *Ger. by Johns.* 556. *Raii hist.* 1072. *Magn. hort.* 121. *Vaill. paris.* 118.

**LINUM.** Flax. The seeds, called Linseed. *Pharm. lond.*—*Alst. ii.* 360. *Berg.* 248. *Boerh. aph. n.* 976. *Cartheus. i.* 337. *Dale* 328. *For- dyce, G. pract.* 151. 168. 205. 210. 227. 272. 273. *Gallesky in Quarin febr.* 400. *Geoffr. iii.* 736. *Herm.* 427. *Hill* 527. *Heberd.* 366. *Lew. ii.* 70. *Lind fev.* 200. *Mead mon. i.* 38. *Med. comment. xii.* 396. *Mill. Jos.* 272. *Monro ii.* 300; *iii.* 159. *Murr. iii.* 474. *Quarin febr.* 365; *animad.* 58. 233. *Spielm.* 460. *Vog.* 162. *Wall, J. tracts* 98. *Wintringh. in Mead mon. i.* 267.

- L. sativum*. *Chom.* 725; *suppl.* 196. *Krock. n.* 485. *Linn.* 105. *Rutty* 290. *Schoepf* 43.
- L. usitatissimum*. Seed, and its fixed oil. *Pharm. edin.*—*Lew. disp. by Dunc.* 249. *Murr. J.* i. 385. *Pearson, R. ed. ii.* 298.
- Linseed. *Blane* 484. *Cull. clin.* 315. *Denm. i.* 268; *ii.* 521. *Home, Everard account from in ann. med.* iii. 56. *Hull phlegmat.* 268. *Hunter J. blood* 385; *J. Dr. jam.* 237. *Monro, Don. sold. ii.* 32. 152. *Pringle* 164. 271. *Reid, T. phthis.* 177.
- Flax seed. *Baylies in med. pap.* 44. *Rush i.* 136; *ii.* 241.
- Oleum Lini*. *Bang in act. haun. i.* 286.
- Linseed Oil. *Blane* 487. 540. *Underw. ii.* 108.
- Oil of lintseed. *Hufeland, account from in phys. journ. vi.* 72.

2. *Leaves opposit. L.*

2. *LINUM catharticum*. Leaves oblongo-lanceolate. Stem dichotomous, herbaceous. Petals rhombic-ovate. *Obs.* 4146. Specimens gathered near Stafford.—*L.—Bot. arrang.* 330. *Curt. lond.* iii. 19. *t.* 151. *Walc. t. Smith engl. t.* 382; *brit.* 344. *Fl. dan. t.* 851. *Asso n.* 290.
- L. pratense*, flosculis exiguis. *Tourn. paris.* 210. *Vaill. paris.* 118.
- L. sylvestre catharticum*. *Raii syn.* 362. *Ger. by Johns.* 560, *cop. in*
- Chamaelinum Clusii flore albo*, sive *L. sylvestre catharticum*. *Park. theatr.* 1336.
- Alsine verna glabra*, flosculis albis, vel potius *L. minimum*. *Bauh. J.* iii. 455.
- Chamaelinum flore albo pentapetalo*. *Vaill. paris.*



33. (The descr. belongs to the species which precedes it.)

*LINUM catharticum*. Berg. 250. Coste & Willem. in med. comment. v. 298. Dale 238. Geoffr. iii. 741. Heberd. 345. Krock. n. 489. Lew. ii. 72; disp. by Dunc. 249. Linn. 105. Mill. Jos. 272. Monro iii. 160. Murr. iii. 490. Vog. 107.

*L. sylvestre*. Rutty 291.

*L. pratense*, flosculis exiguis. Chom. 23.

### 300. DROSERA.

*Calyx* quinquepartite. *Petals* 5. *Capsule* unilocular, with 3 and 4 valves, polyspermous. *Obs.* 4052. *L.*

1. *DROSERA septentrionalis*. Scapi and calyces glabrous. Leaves petiolate. *Obs.* 301. 302. On Cannock heath Staffordshire.—*Obs.* 7547. Procured from Yorkshire by Mrs. Shore.

*Rosolis septentrionalis*. Scop. carn. n. 390.

*a rotundifolia*. Leaves orbiculati-obovate. *Obs.* 301.

*D. rotundifolia*. *L. sp.* 402. Bot. arrang. 331.

*Smith brit.* 346; *engl. t.* 867.

*Salsirora*, sive *Ros solis*. *Thal.* 116. t. 9. f. 1, and *cop. in*

*Ros solis*. *Bauh. J.* iii. 761, outer fig.

*Rorida*, sive *Ros solis major*. *Lob. obs.* 472, repr. in *ic.* ii. 811, *cop. in*

*Ros solis*, sive *Rorella*, vel *Ros solis major*. *Park. theatr.* 1052, inner fig. & repr. in

*Ros solis folio rotundo*. *Ger. by Johns.* 1556. *Raii syn.* 356, who in *ed.* ii. and *hist.* marks it as annual.—*Tourn. paris.* 527. *Vaill. paris.* 174.



*Corella rotundifolia perennis. Willisel ap. Raii hist.*  
1100; *syn.* 356.

*Styles* 3, 2 of them bifid, the 3rd trifid. *Capsule*  
with 3 and 4 valves. *Obs.* 4052.

*RORELLA. Vog.* 137.

*Ros solis. Berg.* 251. *Dale* 238. *Geoffr. suite ii.*  
268. *Krock. n.* 493. *Linn.* 106. *Mill. Jos.* 374.

*Murr.* iii. 500. *Schoepf* 44. *Spielm.* 486.

*D. rotundifolia. Ploucq. bibl. i.* 415.

β *oblongifolia. Leaves* obovate. *Obs.* 302. With α  
*D. longifolia. L. sp.* 403. *Bot. arrang.* 332. *Smith*  
*brit.* 347; *engl. t.* 868.

*Salsirora, sive Ros solis. Thal.* 116. t. 9. f. 2, *cop.*  
*in*

*Ros solis. Bauh. J. iii.* 761, inner fig.—*Dod.* 471,  
*cop. in Dalech.* 1212, & repr. *in*

*Ros solis folio oblongo. Ger. by Johns.* 1556. *Raii*  
*syn.* 356, who marks it as annual.—*Vaill. paris.*  
174.

*Corella, sive Salsirora. Cord. fol.* 86, *cop. in*

*Rorida, sive Solis ros, et Drosion recentiorum. Lob.*  
*adv.* 454, which repr. *in ic. ii.* 811, & *cop. in*

*Ros solis, sive Corella, vel Ros solis minor. Park.*  
*theatr.* 1052, outer fig.

*Corella longifolia perennis. Willisel ap. Raii hist.*  
1100; & *syn.* 356.

*Leaves, laminae* from 2 tenths to half an inch long.  
*Obs.* 302.—*Capsules* often containing another with-  
in, both capsules containing seeds, and the inner  
nearly as large as the outer; valves 3 and 4, when  
3 one of the valves bifid; valves oblong, with a  
ridge along the middle on the inner side. *Seeds*  
fuscous, lanceolato-oblong, fixed to the inner side of  
the valves near the ridge. *Obs.* 7548. *Procured*  
*from Yorkshire by Mrs. Shore.*

*DROSERA longifolia.* Krock. n. 494.

301. GISEKIA.

*Calyx* pentaphyllous. *Corolla* none. *Capsules* 5, approximate, roundish, monospermous. *L.*

1. *GISEKIA pharnacioides.* *L. mant.* 562.  
*GISEKIA pharnacioides.* *Roxb. corom.* 183. t. 183.

302. CRASSULA.

*Calyx* with 5 divisions. *Corolla* quinquepartite or pentapetalous. *Nectaria* 5, at the base of the germina. *Capsules* 5. *Obs.* 4760. *L.*

Should not those species in which the corolla is pentapetalous be referred to *Sedum*?

1. *CRASSULA pinnata.* Leaves pinnate. Stem arboreous. *L. fil. suppl.* 191?  
*CRASSULA pinnata.* *Lour. i.* 231. Folioles oblong, sessile. Stem fruticose.

P O L Y G Y N I A.

303. MYOSURUS.

Inserted in the synopsis of the genera from the assertions of Dale and J. Bauhine, founded on an error in *Lob. adv.* 187, corrected in his *obs.* 241.

## 304. XANTHOXYLUM.

*Calyx* pentaphyllous triphyllous quinquepartite or tripartite. *Petals* 5, 3, or none, ovate. *Germen* ovate. *Stigmata* several, or 1 peltate. *Capsule* pentacoccus. *Obs.* 2314. 2313, and from *Swartz* and *Browne*.—*L. a Gmel.* ii. 509.

*Zanthoxylum.* *L.*

Flowers hermaphrodite in some plants and female in others. *Swartz.*

1. XANTHOXYLUM *ternatum*.—Unarmed. Leaves ternate; folioles obovate, slightly emarginate, shining, dotted underneath. *Swartz.*

*Zanthoxylum ternatum.* *Swartz. ind. occid.* 570.

*Fagara trifoliata.* *Swartz. prodr.* 33.

*ZANTHOXYLUM trifoliatum.* *Wright in med. journ.* viii. 290.

2. XANTHOXYLUM *fraxinifolium*. Spinose. *Petals* none. Leaves pinnate, folioles elliptic, remote, the terminal one longer than the rest. *Obs.* 2314. Specimen gathered in the garden of Fothergill.—*Marsh.* 167. *Walt.* 243 is described as having complete flowers.

*Zanthoxylum Clava Herculis.* *Hort. kew.* iii. 399.

*Duroi obs.* 57 β

*Zanthoxylum ramiflorum.* *Michaux* ii. 235.

*X. americanum.* *Mill. Ph. dict. n.* 2.

*Zanthoxylum spinosum*, *lentisci longioribus foliis*, *euonymi fructu capsulari.* *Catesb.* i. t. 26.

*Branches* purplish brown, those of the past year wrinkled, mild to the taste; smaller branches smooth,



glabrous. *Leaves* petiolate; folioles with transparent dots so minute as scarcely to be distinguishable without a glass, obsoletely crenate at the margin, tomentoso-villose underneath, dull and pubescentulous on the upper side. *Petioles* hirsutulous, mostly with 2 opposite spines at the base in place of stipulae. *Flowers* nearly sessile, aggregate, at the end of the branches of the past year. *Calyx* quinquepartite, glabrous; segments elliptic, with a costa. *Stamina* somewhat longer than the calyx. *Pistil* shorter than the calyx. *Germen* ovate. *Style* shorter than the germen. *Stigmata* 4, somewhat clavate, patulous, shorter than the style. *Obs.* 2314.

**ZANTHOXYLUM.** Schoepf 148.

*Z. Clava Herculis.* Bart. 26. Coxe 377.

3. **XANTHOXYLUM** *claviger*. Spinose. *Leaves* pinnate; folioles lanceolato-oblong, contiguous, terminal foliole smaller than the pair below. *Obs.* 2313. Specimen gathered by Broughton in Jamaica.

*Zanthoxylum Clava Herculis.* L.—Swartz *obs.* 375.

*Zanthoxylum.* Browne 189.

*Branches* tawny, villose. *Leaves* petiolate; folioles from  $\frac{1}{2}$  to  $2\frac{1}{4}$  inches long and 1 broad, with transparent yellow dots, glabrous and somewhat shining on the upper side, pubescent underneath, obsoletely crenate at the margin, becoming gradually larger towards the end, the lowermost roundish and oval, the lateral ones unequal at the base, the terminal one attenuate at the base. *Petiole* pubescent, with scattered aculei underneath, sometimes with one or 2



194     PENTANDRIA. 304\*. Xanthorhiza.

short aculei at the base where stipulae usually are  
*Panicles* terminal. *Fruit* ovate, pentacoccous, blackish brown, glabrous. *Obs.* 2313.

*ZANTHOXYLUM* Clava Herculis. *Wright in med. journ.* viii. 290.

*Zanthoxylon.* *Bellamy in phys. journ.* viii. 453.

*Harris in med. soc.* v. 37. *Heney ib.* 44; and account from *in phys. journ.* ii. 30.

Yellow Pricklewood. *Graing.* 49.

Prickly Yellowwood. *Wright in Graing.* 85.

304\*. XANTHORHIZA.

*Calyx* pentaphyllous. *Petals* 5, obreniform, unguiculate, shorter than the calyx. *Pistils* several. *Capsules* several, monospermous. *Obs.* 5383.

*Zanthorhiza.* *Lherit.*

1. *XANTHORHIZA apiifolia.* *Obs.* 5383. Specimen in flower in the garden of Fothergill.

*X. simplicissima.* *Marsh* 168.

*Zanthorhiza apiifolia.* *Lherit. stirp.* i. 79. t. 38. *Hort. kew.* i. 399.

*XANTHORHIZA tinctoria.* *Coxe* 378. *Woodhouse in phys. journ.* ix. 291; and *chir. rev.* ix. 291.

Class 6.

## HEXANDRIA.

Order 1.

## MONOGYNIA.

1. *Flowers complete, inferior.*

349. **PRINOS.** *Corolla* sexfid. *Calyx* sexfid.  
*Berry* hexaspermous. *L.*
350. **TECTONA.** *Corolla* sexfid and quinquefid.  
*Calyx* sexfid and quinquefid.  
*Drupe.*
348. **ACHRAS.** *Corolla* sexfid and quinquefid.  
*Nectaria* 6 and 5. *Calyx*  
hexaphyllous and pentaphyl-  
lous. *Pomum* with 12 and  
10 seeds.
305. **CORYPHA.** *Corolla* tripartite. *Calyx* tri-  
phyllous. *Drupe.* Willd.
344. **BAMBOS.** *Corolla* tripetalous and dipe-  
talous. *Calyx* diphyllous.  
*Seed* 1.
347. **BORASSUS.** *Corolla* tripetalous. *Calyx* of  
the hermaphrodite flowers  
octophyllous and duodecim-

phyllous; of the male flowers triphyllous. *Berry*.

307. TRADESCANTIA. *Corolla* tripetalous. *Calyx* triphyllous. *Filaments* bearded.

353. BURSERIA. *Petals* 3 and 5. *Calyx* of the hermaphrodite flowers triphyllous; of the male flowers quinque-dentate. *Capsule* monospermous.

351. BERBERIS. *Petals* 6. *Calyx* hexaphyllous. *Berry* dispermous. *L.*

329. LEONTICE. *Petals* 6. *Calyx* hexaphyllous. *Berry* inflated. *L.*

2. *Flowers complete, superior.*

306. BROMELIA. *Corolla* tripartite. *Calyx* tripartite. *Berry*. *L.*

352. LORANTHUS. *Corolla* sexpartite. *Calyx* entire. *Berry* monospermous.

3. *Flowers corollaceous, inferior, with spathæ.*

308. PONTEDERIA. *Corolla* sexfid, ringent. *L.*

324. LIRIOPB. *Corolla* sexpartite. *Stamina* inserted into the receptacle. *Berry* monospermous. *From Lour.*

345. ALLIUM. *Petals* 6. *Style* simple. *Obs.* 3122.

332. *CORCULIGO*. 10 *Petals* 6. *Style* tripartite.  
Willd.
4. *Flowers*, corollaceous, inferior, without spathæ.
337. *ALOE*. *Corolla* sexfid. *Stamina* inserted into the receptacle. *L.*
338. *AGAVE*. *Corolla* infundibuliform, sexfid; segments erect, shorter than the filaments. *From L.*
335. *ALETRIS*. *Corolla* sexfid, rugose. *L.*
339. *HEMEROCALLIS*. *Corolla* sexpartite. *Stamina* declinate. *L.*
334. *CONVALLARIA*. *Corolla* sexfid. *Berry* trilocular; cells monospermous. *Obs.* 3741.
327. *ASPHODELUS*. *Corolla* sexpartite, marcescent. *Filaments* glandular at the base. *Obs.* 8111.
333. *SANSEVERA*. *Corolla* sexfid; tube filiform. *Berry* monospermous. *From Thunb.*
330. *ASPARAGUS*. *Corolla* sexpartite. *Stigmata* 3. *Berry* trilocular. *Obs.* 9061.
331. *DRACAENA*. *Corolla* sexpartite; segments erect. *Filaments* thicker in the middle. *Berry* trilocular.
332. *DIANELLA*. *Corolla* hexapetalous. *Stamina* inserted into the receptacle. *Berry* trilocular. *Obs.* 6931.



319. GLORIOSA. *Petals* 6, reflex, undulate.  
*Style* oblique. *From* L.
326. SCILLA. *Corolla* sexpartite and hexa-  
petalous, deciduous. *Fila-*  
*ments* filiform. *Capsule.*  
*Obs.* 386.
325. ORNITHOGALUM. *Petals* 6, permanent. *Cap-*  
*sule* trilocular. *Obs.* 5868.
328. XANTHORRHOEA. *Corolla* hexapetalous, perma-  
nent. *Capsule* triquetrous.  
*Seeds* bordered. *From* Smith.
316. LILIUM. *Petals* 6, canaliculate at the  
base. *Obs.* 6422.
318. UVULARIA. *Petals* 6, with a hollow at the  
base. *Style* semitrifid. *Obs.*  
5699.
317. FRITILLARIA. *Petals* 6, with a hollow at the  
base. *Style* trifid. *Obs.*  
5694.
320. ERYTHRONIUM. *Petals* 6, the 3 inner with a  
scale at the base. *Obs.*  
3480.
321. TULIPARIA. *Petals* 6, erect. *Style* none.  
*Capsule.* *Obs.* 8068.
336. YUCCA. *Petals* 6, patent. *Style* none.  
*Capsule.*
343. ORONTIUM. *Petals* 6. *Style* none. *Fol-*  
*licle* monospermous.
5. *Flowers* corollaceous, superior, with *spathae*.
328. HYPOXIS. *Corolla* sexpartite, permanent.

*Capsule* narrower at the base.

*Hort. kew.*

**313. CRINUM.**

*Corolla*, limb sexpartite. *Stamina* distinct, inserted at the base of the segments of the corolla. *Obs.* 5321.

**314. AMARYLLIS.**

*Corolla* sexpartite. *Stamina* unequal, and irregular. *Obs.* 3148.

**311. NARCISSUS.**

*Corolla*, limb double. *Stamina* inserted into the tube of the corolla. *Obs.* 5649.

**312. PANCRACTIUM.**

*Corolla*, limb double. *Stamina* inserted into the inner limb of the corolla. *Obs.* 7153.

**310. LEUCOIUM.**

*Corolla* hexapetalous, campanulate. *Stamina* equal. *Stigma* simple. *Obs.* 2427.

**309. GALANTHUS.**

*Corolla* hexapetalous; the 3 inner petals shorter, obcordate. *Obs.* 2637.

**6. Flowers corollaceous, superior, without spathae.**

**340. ARISTOLOCHIA.**

*Antherae* sessile, beneath the teeth of the stigma, inserted into a fleshy receptacle. *Capsule* sexlocular. *Obs.* 2974.

**7. Flowers calycine, inferior.**

**341. KERNEA.**

*Calyx* of the hermaphrodite  
o 4

flowers triphyllous, of the  
male flowers none. *Berry*  
monospermous. *From L. a*  
*Willd.*

342. ACORUS.

*Calyx* hexaphyllous. *Style*  
none. *Capsule* trilocular.  
*Obs.* 7526.

346. JUNCUS.

*Calyx* hexaphyllous. *Style*  
1. *Capsule* trilocular and  
unilocular. *Obs.* 7864.

345. CALAMUS.

*Calyx* hexaphyllous. *Berry*  
with 3 seeds.

*Order 2.*

D I G Y N I A.

354. ORYZA.

*Calyx* diphyllous. *Petals* 2.  
*Seed* 1.

*Order 3.*

T R I G Y N I A.

1. *Flowers complete.*

360. ELAIS,

*Corolla* of the barren herma-  
phrodite flowers sexfid; that  
of the female flowers hexa-  
petalous. *Drupe* monosper-  
mous,

353. CHAMAEROPS. *Petals 3. Calyx tripartite.  
Drupae 3.*
357. ARECA. *Petals 3. Calyx of the female flowers triphyllous.  
Drupe with 1 nut.*
359. COCOS. *Petals of the hermaphrodite flowers 3, of the female flowers 6. Calyx of the hermaphrodite flowers triphyllous, of the female flowers diphyllous. Drupe with 1 nut.*
355. RUMEX. *Petals 3. Calyx triphyllous.  
Seed 1.*
365. TRILLIUM. *Petals 3. Calyx triphyllous.  
Berry trilocular. L.*

2. *Flowers corollaceous, inferior.*

366. COLCHICUM. *Corolla sexfid. Obs. 7885.*
367. APONOGETON. *Petals 2. Pistils 3 to 5.*
362. TRIGLOCHIN. *Petals 6. Capsule trilocular and sexlocular. Obs. 5026.*
356. MELANTHIUM. *Petals 6. Capsule trilocular.  
From L.*
363. MEDEOLA. *Petals 6. Berry tricoccous.  
L.*

3. *Flowers calycine, inferior.*

368. HELONIAS. *Calyx pentaphyllous. Capsule trilocular. Obs. 7777.*



364. VERATRUM. *Calyx* hexaphyllous. *Capsules* 3.

*4. Flowers calycine, superior.*

361. FLAGELLARIA. *Calyx* hexaphyllous. *Berry* monospermous.

*Order 4.*

## POLYGYNIA.

369. ALISMA. *Calyx* triphyllous. *Petals* 3. *Seedvessels* several. *L.*

## MONOGYNIA.

### 305. CORYPHA.

*Calyx* tripartite. *Petals* 3. *Berry* with 1 cell and 1 seed. *Obs.* 5642. *L.*

1. CORYPHA *umbraculifera*. Petioles ciliato-spinose. Leaves pinnato-palmate, with a thread interposed between the segments. From *L. a Murr.* 984. *H. K.* iii. 474.

*CORYPHA umbraculifera*. *Bryant* 247. *Forst.* *G. escul.* 48.

306. BROMELIA.

*Calyx* superior, trifid. *Petals* 3, with a nectariferous scale at the base. *Berry* with 3 cells. *L.*

1. *BROMELIA comosa*. Leaves with teeth ending in spines, mucronate. Spike with a coma. *Obs.* 4747. In a garden.

*B. Ananas*. *L.* sp. 408. *H. K.* i. 400, *Lour.* i. 237.

*Ananas*. *Mill. Ph. dict.* who says that it sometimes produces fertile seeds.

*Anasa*. *Rumph.* v. 227. t. 81.

*Nana brasiliensis*, *Ananas lusitanis*. *Raii hist.* 1332.

*Ananas* Linschott. *Bauh. J.* iii. a. 95, cop. in

*Anna*, seu *Pina*. *Park. theatr.* 1626.

*Nana*. *Dalech.* 1841, cop. in

*Nana*, sive *Strobilus peruvianus*. *Bauh. J.* iii. a. 94.

*Ananas Acostae*. *Bauh. J.* iii. a. 95.

*Aizoi majoris ortu persimilis exotica planta*. *Lob.*

ic. i. 375, cop. in *Bauh. J.* iii. a. 96, & repr. in

*Ananas*. *Ger. by Johns.* 1550. A leaf and comae.

*Pinea inda hispanis*. *Bauh. J.* i. b. 264. No fig.

*ANANAS*. *Linn.* 107. *Murr.* v. 186. *Schoepf* 45. *Spielm.* 78.

*B. Ananas*. *Bryant* 178, *Pearson, R.* i. 59.

*Wright in med. journ.* viii. 230.

Pine-apple. *Hume, J. in lett. & ess.* 214. *Moseley* 254.

*a ovata*.—*Hort. kew.*—Fruit ovate; flesh whitish.  
From

*Ananas ovatus*. *Mill, Ph. dict. n.* 1.

β *pyramidalis*. Hort. kew.—Fruit pyramidal; flesh goldcoloured. From

*Ananas pyramidalis*. Mill. Ph. dict. n. 2, &

*Ananas aculeatus*, fructu pyramidato, carne aurea.

Boerh. ii. 83.

γ *lucida*. Hort. kew.—Leaves scarcely serrate. From

*Ananas lucidus*. Mill. Ph. dict. n. 4.

δ *viridis*. Hort. kew.—Fruit pyramidal; flesh greenish yellow. From

*Ananas viridis*. Mill. Ph. dict. n. 6.

ε *alba*. Fruit green; flesh white. From Lour. i. 138.

2. *BROMELIA Pinguin*. Leaves ciliato-spinose, mucronate. Spike terminal. From Dill. and L. sp. 408. Hort. kew. i. 400. Jacq. amer. ed. 8vo, 115. Swartz. obs. 120.

B. caule assurgenti, racemo terminali, fructibus sejunctis. Browne 193.

*Pinguin*. Dill. elth. 320. t. 240. f. 311.

*Ananas americana sylvestris altera minor*. Pluk.

mant. 29; phyt. t. 258. f. 4. No fructifications.

—Boerh. ii. 83.

*BROMELIA Pinguin*. Pearson, R. i. 60.

Wright in med. journ. viii. 230.

3. *BROMELIA acaulis*. Flowers terminal, sessile, aggregate. From

B. Karatas. Jacq. hort. t. 31, 32; amer. 91. t.

178. f. 26, the fruit; 8vo. ed. 114. L. a Murr.

313; sp. 408.

B. foliis spinosis oblique recurvis, fructibus dispersis racemosis. L. ups. 73.

*BROMELIA Karatas*. Bryant 180. Pearson,

R. i. 60.

307. TRADESCANTIA.

*Calyx* triphyllous. *Petals* 3. *Filaments* with articulated villi. *Capsule* of 3 cells. *L.*

1. TRADESCANTIA *malabarica*. Erect, glabrous. Peduncles solitary, very long. *L. sp.* 412; *mant.* 362.

*TALI-PULLI*. *Rheede ix.* 123. *t.* 63.

2. TRADESCANTIA *axillaris*. Stem branched. Flowers sessile, lateral. *L. mant.* 321.

*Commelina axillaris*. *L. sp.* 61.

*NIR-PULLI*. *Rheede x.* 28. *t.* 13.

308. PONTEDERIA.

*Corolla* sexfid, bilabiate. *Stamina*, 3 inserted into the mouth of the tube of the corolla, and 3 into its sides. *Capsule* trilocular. *From L.*

*Germen* mostly inferior. *Juss.* 55.

1. PONTEDERIA *vaginalis*. Leaves cordate. Racemus cernuous. *L. mant.* 222.

*OLUS PALUSTRE*. *Rumph. vi.* 178. *t.* 75. *f.* 1.

309. GALANTHUS.

*Corolla* superior; petals 6, the 3 inner obcordate, as short again. *Obs.* 2637. *L.*



1. *GALANTHUS nivalis*. *L. sp.* 413. *Bot. arrang.* 340; *ed.* IV. ii. 324. Found by Mr. Robson on the banks of the Tees about Blackwell and Con-niscliffe.—*Walc. t. Smith engl. t.* 19; *brit.* 352. *Jacq. vind.* 56. Woods and declivities of mountains.—*Roth germ.* i. 144. In Hesse in woody meadows, and elsewhere in orchards.—*Host* 182. Woods, declivities of mountains, and shady meadows.—*Scop. carn. n.* 391. At the feet of mountains.—*Northumb. guide* i. 31. In Scots wood dean, and by the Ouse burn near Newcastle.

*Galanthus. L. ups.* 73.

*Leucoion bulbosum* Theophrasti. *Reuealm. t.* 96.

*Narcisso-Leucoium. Vaill. paris.* 145. In the neighbourhood of Versailles.

*Leucoium bulbosum praecox minus. Park. par. t.* 107. f. † between f. 3 and 9. *Clus. pann.* 182; *repr. in hist.* i. 169; *Ger. by Johns.* 147,

*Leucoion bulbosum triphyllon. Dod.* 230,

*Leuconarcissolirion minimum. Lob. obs.* 64; & *ic.* ii. 123.

*Leucoium bulbosum minus triphyllon. Bauh. J.* ii. 591. On the Euganean mountains in the Venetian territory between the baths of Apano and Arquaa.—*Raii hist.* 1144. In shady places at the base of the Alps between Trent and Venice. Cultivated in gardens throughout England.

*Narcissus VI. Dalech.* 1525.

*Narcissus Matthioli. Dalech.* 1526, outer fig.

*Narcissus VI. Cam. epit.* 956.

*Leaves* from 4 to 7 inches long, and from 1 to 2 tenths of an inch broad. *Scapus* 5½ inches long.

*Obs.* 6971. Specimens growing wild gathered by Prof. Jos. F. Jacquin.—*Leaves* 7 to 10 inches long, 2½ tenths of an inch broad. *Scapus* a foot long.

*Obs.* 6970. In the hedge of the 4th close north of the last houses in Yedliston on the road to Osmaston in Derbyshire, in full flower when those in the gardens were beginning to fade, but I am inclined to believe these plants to have been the remains of a cottage garden.

*Native* of Lombardy, Austria, Hungary, and perhaps Hesse, on mountains; and naturalised in England. First found apparently wild in this country by Mr. Ballard, who pointed it out to me in the middle of a pasture on the Herefordshire side of Malvern hill on the north of the road to Ledbury, below the Camp, a spot probably once the site of a cottage garden.

*ERANGELIA.* *Renealm.* 101, *transcr. in Raii hist.* 1146. *par.* 4.

### 310. LEUCOIUM.

*Corolla* superior; petals 6. *Stigma* simple. *Obs.* 2427. *L.*

1. *LEUCOIUM vernum.* Style clavate. Spatha with 1 and 2 flowers. *Obs.* 2429. Specimen gathered in the Gottingen garden.—*L. sp.* 414. *Hort. kew.* i. 406. *Curt. mag. t.* 46. *Jacq. austr.* iv. 6. *t.* 312. *Roth germ.* ii. 378. *Krock. n.* 498.  
*L. bulbosum praecox majus.* *Park. parad.* 109. *t.* 107. *f.* 9. *Clus. pann.* 180, *repr. in*  
*L. bulbosum.* *Clus. hist.* i. 168,  
*L. bulbosum hexaphyllum.* *Dod.* 230,  
*Leuconarcissolirion paucioribus floribus.* *Lob. ic.* i. 123, &  
*L. bulbosum serotinum.* *Ger. by Johns.* 148.

*Viola alba* Theophrasti. *Trag.* 752.

*Viola alba* *Fuchs.* 473. c. 186, near Tubingen, in Suabia; *cop. in*

*L. bulbosum*, hexaphyllon, cum unico flore rarius bino. *Bauh. J.* ii. 591, & the plant in flower *cop. in*

*Viola alba bulbosa.* *Dalech.* 1527.

*Narcissus* VII. *Dalech.* 1525. *Cam. epit.* 957.

*L. bulbosum* vulgare. *Raii hist.* 1144. In hedges in mountainous pastures in Switzerland, near Turin, and between Bassano and Trent.

*Scapus* erect, two-edged, 10 inches long. *Spatha* vaginant at the base. *Stigma* cuspidate. *Obs.* 2429.

*NARCISSO-LEUCOIUM.* *Geoffr. suite i.* 132.

### 311. NARCISSUS.

*Corolla* infundibuliform, or hypocrateriform; limb double, the inner tubular. *Stamina* inserted into the tube of the corolla. *Obs.* 5649. *L.*

#### 1. *Stamina equal.*

- I. *NARCISSUS Pseudonarcissus.* Inner limb of the corolla about as long as the outer, campanulato-obconic, inciso-crenate, rugoso-plicate. Tube of the corolla somewhat shorter than the outer limb. *Obs.* 3151. Covering a large patch of ground in a pasture on the north-east side of the hill on which Wassail wood near Kildermminster is situated, with *Culchicum autumnalis* and *N. biflorus* intermixed, apparently the remains of an orchard or garden.— In Walton wood near Chesterfield, on the side of



a brook which separates the wood from the fields which lie between the wood and the village in which stands an old hall.—*L. sp.* 414. *Scop. carn.* n. 395. In orchards.—*Roth germ.* i. 145. In orchards and low meadows in Bremen and near Herborn in Westphalia.—*Krock. n.* 500. In orchards.—*Gort. belg. n.* 292. *Northumb. guide* 32. *Huds.* 141. In woods near Eriith in Kent.—*Bot. arrang.* 342. *Smith engl. t.* 17; *brit.* 355. *Sibth. ox.* 109. In Noke woods Oxfordshire. (*Asso n.* 291 is probably *N. major* of Curt.)

*N. scapo unifloro, nectarii limbo campanulato erecto petala aequante. L. ups.* 74.

*Narcissus. Guett. i.* 127. Near Estampes, in woods.

*N. sylvestris pallidus, calyce luteo. Raii syn.* 371. In pastures about Sutton Coldfield in Warwickshire plentifully.—*Rupp. ab Hall.* 34. In Switzerland in meadows.—*Vaill. paris.* 144.

*N. luteus sylvestris. Dod.* 227, *cop. in Dalech.* 1523, & repr. in

*Pseudonarcissus anglicus. Ger. by Johns.* 133.

*Pseudonarcissus anglicus vulgaris. Park. parad.* 100. No fig. Common in all England in copses woods and orchards.

*Balbocodium vulgatus. Bauh. J. ii.* 593. Leaves represented in the fig. and descr. as enveloping the scapus to the top. On mount Bar near Montbeliard, on a hill near Dampierre in Franche Comte, and on Mount Thuir near Geneva.

*N. totus luteus. Lob. adv.* 51. No fig. In meadows in England and the Low Countries in Feb. and Mar. and in Languedoc Gascony and Spain on elevated mountains in May and June.—The southern plant probably *N. major*.



*Pseudo-narcissus*. *Clus. hist. i.* 164. No fig. In meadows about London, and elsewhere in England and Germany; and on the borders of a wood near the monastery of Perck near Louvain.

*Leaves* to 8 inches long, from 2 to  $2\frac{1}{2}$  tenths of an inch broad. *Scapus* 7 inches long. *Flower* and *peduncle* together  $2\frac{1}{2}$  inches long. *Corolla*, inner limb in the greater number of plants as long as the outer limb, in some just shorter; segments of the outer limb patent. *Obs.* 3151.—*Scapus*  $6\frac{1}{2}$  inches long. *Corolla*, the 3 outer segments of the outer limb ovate, the 3 inner ovato-elliptic. *Obs.* 7041. Almost covering a small close on the north side of an old mansion called Haselborough in the parish of Norton in Derbyshire.—*Leaves* 7 to 11 inches long, 3 to 4 tenths of an inch broad. *Scapus* 6 to 12 inches long. *Flowers* oblique and horizontal. *Corolla*  $1\frac{1}{2}$  to 2 inches long; inner limb in the greater number of flowers as long as the outer, in some just shorter, and in some just longer. *Obs.* 6999. In the southern extremity of Chatsworth park on the eastern side of the Derwent, but out of the reach of floods, in large patches scattered over 2 or 3 acres and shaded by tall oaks. The appearance of the ground and a kind of paved water course on the northern side of the spot induce me to believe it to have been the site of a garden.—*Leaves*  $6\frac{1}{2}$  inches long, 4 tenths of an inch broad. *Scapus* 6 inches from the surface of the earth to the end. *Obs.* 6235. In a garden.—*Leaves* slightly concave, 3 tenths of an inch broad. *Corolla* from 1 inch  $6\frac{1}{2}$  tenths to 1 inch  $8\frac{1}{2}$  tenths long; inner limb rugose on the inside, slightly plaited; margin inciso-crenate, curled; teeth unequal, ovate, acuminate, patulous and erect. *Stamina* equal, one fourth shorter than the corolla, inserted

a little above the base of the corolla. *Style* one eighth shorter than the corolla, trigonous, the sides sulcate. *Stigma* trilabiate; lips obovate, reflex, incumbent. *Obs.* 6968. Plants of *Obs.* 7041 cultivated in Mr. S. Shore's garden.

*Native* of Switzerland, Franche Comte, Orleanois, the Low Countries, Westphalia, Bremen, and probably England, but I have never seen it at a sufficient distance from houses to believe that what I saw were indigenous plants.

**PSEUDONARCISSUS.** *Dale* 244.

*Narcissus.* *Ploucq. bibl.* i. 462. *Rutty* 341.

*N. pratorum.* *Fresnoi*, account from in *med. comment. dec. II.* vii. 121.

*Narcisse des pres.* *Dufresnoy*, account of in *ann. med.* iv. 187; *phys. journ.* i. 308; & *med. rev.* iv. 36.

2. *Three of the stamina longer than the other 3.*

2. **NARCISSUS maiialis.** Inner limb of the corolla very short; segments of the outer limb incumbent, oval, somewhat shorter than the tube. Scapus with 1 flower. Tube trigonous. Leaves canaliculate. *Obs.* 7779. In a garden, but the corolla not critically examined till it was become putrid. May. Out of flower 6 June.—*Curt. mag. fol.* 193. *p.* 2, in treating of *N. angustifolius*; & *fol.* 197, in treating of *N. biflorus*.

*N. poeticus.* *L. sp.* 414. *Gouan hort.* 163. Near Montpellier.—*Hort. kew.* i. 408. *Smith engl. t.* 275, found by Mr. Rayer on a rabbit warren at Shorne between Gravesend and Rochester; *brit.* 353. Found by Rose at Woodbastwick and other

placed in Norfolk.—*Mill. Ph. dict.* 2. *Scop. carn.* n. 394. *Hest* 183. In Littorali.

*N. patellaris.* *Satisb. R. allert.* 225.

*N. scapo unifloro*, nectarii limbo rotato brevissimo.  
*L. ups.* 74.

*N. albus*, calicis flavi limbo rubro. *Boerh.* ii. 121.

*N. albus*, circulo purpureo. *Magn. monsp.* 181.

*N. poeticus*, medio croceus purpureus. *Lob. adv.* 50. In meadows in Languedoc and Provence.  
No fig.

*N. poeticus*, medio croceus purpureus, praecox.  
*Lob. ic.* i. 112, repr. in

*N. medio purpureus.* *Dod.* 222, & *Ger. by Johns.* 123, and cop. in *Dalech.* 1517. *Bauh. J.* ii. 600.

In Italy, near Cormon not far from Saint Maurice in Savoy, and in meadows about Montpelier.—  
*Raii hist.* 113; *europ.* 186.

*N. veterum.* *Trag.* 753.

*N. medio purpureus serotinus.* *Park. parad.* 76.  
No fig.

*Leaves* from 3 to  $4\frac{1}{2}$  tenths of an inch broad, canaliculate below with the margins erect, above carinate with patent margins; keel canaliculate. *Scapus* two-edged, fistular above. *Pedicle* obsoletely two-edged. *Germen* oval, obsoletely hexagonal. *Corolla*, tube 1 inch 1 tenth long; segments oval and obovato-oval, with a short mucro at the end, 6 tenths of an inch broad; inner limb very short, crenate, erect,  $1\frac{1}{2}$  tenth of an inch long, white; margin erose, of the colour of red lead. *Stamina* inserted into the tube; 3 lower at about 1-5th from the end of the tube; 3 upper at the margin of the tube. *Filaments* very short, those of the 3 lower stamina decurrent. *Obs.* 7779.

*Native* of Italy, Carniola, and the south of France,



but I suspect neither of the north of Germany nor of England.

*NARCISSUS*. *Dale* 244, for the virtues from Dioscorides. (The rest belongs to *N. biflorus*.)

*Nαρκισσος*. *Diosc. fol.* 244. *l.* 4. *c.* 161.

### 312. *PANCRATIUM*.

*Corolla* infundibuliform; limb double, the inner tubular. *Stamina* inserted into the margin of the inner limb. *Obs.* 7153. *L.*

Differs from *Narcissus* in the insertion of the stamina.

#### 1. *Scapus uniflorous*.

##### 1. *PANCRATIUM uniflorum*.

*P. zeylanicum*. *L. sp.* 417.

*Narcissus zeylanicus*, flore albo hexagono odorato.

*Herm. hort.* 691. *t.* 693. *Commel. hort.* i. 75. *t.* 38.

*LILIUM indicum*. *Rumph. vi.* 161. *t.* 70. *f.* 2.

#### 2. *Scapus multiflorous*.

##### 2. *PANCRATIUM maritimum*. *Stamina* inserted at the fissures of the inner limb of the corolla. Inner limb of the corolla duodecemfid, nearly as long as the filaments. *From Salisb. R. allert.* 226; *in linn. trans.* ii. 70. *t.* 9, and *Gouan monsp.* 305, who in the generic character describes the mouth of the inner limb of the corolla duodecemfid.—*L. sp.* 418; *nat.* ii. 235, as evident from the description of the comparative length of the filaments and inner limb of the corolla.—*Hort. kew.* i. 411.



*Lillio-narcissus polyanthus*, flore albo. *Catesb. app.*  
5. t. 5. In Georgia.

*Lillio-narcissus albus maritimus minor*. *Hist. ox.* ii.  
365. s. 4. t. 10. f. 28.

*Hemerocallis valentina*. *Clus. hisp.* 288, repr. in  
*hist.* i. 167,

*Narcissus marinus*. *Dod.* 229, &

*P. floribus rubris*. *Ger. by Johns.* 173.

*Pseudonarcissus marinus albus*, *P. vulgo*. *Park.*  
*parad.* 106.

*P. flore albo*. *Park. parad. t.* 107. f. 5. Stamina  
not represented.

*P. Dalechampii*. *Dalech.* 1579.

*P. monspessulanum*, multis *Scilla alba parva*. *Bauh.*  
*J.* ii. 611. (The fig. is *Tofieldia palustris*.)

*Narcissus maritimus*. *Raii hist.* 1140. On a sandy  
beach near Naples, and in Sicily.

*P. marinum*. *Lob. adv.* 57, repr. in *Ger. by Johns.*  
172.

*SCILLA parva*. *Geoffr. suite* ii. 418.

*Pancratium*. *Schoepf* 45 ?

3. *PANCRATIUM recurvum*. Stamina inserted into  
the segments of the inner limb of the corolla.  
Outer limb of the corolla longer than the tube, re-  
curvate. Leaves lanceolate. *From*

*P. fragrans*. *Salisb. R. allert.* 226; in *linn. trans.*  
ii. 72. t. 11, &

*P. foliis amplis ovatis acuminatis petiolatis*, spatha  
multiflora, floribus minoribus candidis fragrantibus.  
*Trew select. t.* 28.

*P. caribaeum*. *L. sp.* 409. *Hort. kew.* i. 411.  
*Swartz. obs.* 124. *Bot. mag. t.* 826.

*Narcissus totus albus latifolius polyanthos major odo-  
ratus*, staminibus sex e tubi ampli margine extan-

MONOGYNIA. 314. Amaryllis. 215

tibus. *Sloane cat.* 115; *hist.* 244. Tube of the corolla 6 inches long, (probably including the germen.) Petals 5 inches long.

*PANCRATIUM.* *Browne* 194.

4. *PANCRATIUM ovatifolium.* Leaves ovate. From *Narcissus amboinensis*, folio latissimo subrotundo. *Commel. hort.* i. 77. t. 39.  
*P. amboinense.* *L. sp.* 419. *Hort. kew.* i. 413.  
*CEPA sylvestris.* *Rumph.* vi. 160. t. 70. f. 1.

313. CRINUM.

*Corolla* infundibuliform; tube trigonous; limb sexpartite; segments subulate, recurvate. *Filaments* inserted at the base of the segments of the corolla, distinct. *Obs.* 5321. *L.*

1. *CRINUM carinifolium.* Flowers sessile. Leaves carinate. From *C. asiaticum.* *L. sp.* 419; *mant.* 362, and *L. a Willd.* ii. 45. *Andr. rep.* ii. t. 92. *Osborn.* i. 143. *Lour.* i. 244.  
*RADIX TOXICARIA.* *Rumph.* vi. 155. t. 69.

314. AMARYLLIS.

*Corolla* superior, sexpartite, regular and irregular. *Filaments* unequal or irregular in their direction. *Obs.* 3148. *L. fil. ap. Hort. kew.—L.*

1. *AMARYLLIS zeylanica.* Spatha multiflorous.

Corollae reclinate; tube filiform, very long; segments uncinat. *L. a Willd.* ii. 56; *sp.* 421.

*A. ornata.* *Salisb. R. allert.* 232, but *ornata* altered by the author's pen to *zeylanica*, and the synonym of *L. fil. crased.*

*Crinum zeylanicum.* *L. a Murr.* 318. *Lour.* i. 245.

*A. spatha multiflora*, corollis campanulatis aequalibus scapo tereti ancipiti. *Royen* 36.

*Lilio-narcissus ceylanicus latifolius*, flore niveo linea purpurea striato. *Boerh.* ii. 147.

*TULIPA javana.* *Rumph.* v. 306. *t.* 105.

2. *AMARYLLIS latifolia.* Spatha multiflorous, Flowers pedicellate, tubular at the base. Leaves oblongo-lanceolate. *L. a Willd.* ii. 57. *Lheritier.*

*Crinum latifolium.* *L. sp.* 419.

*CRINUM latifolium.* *Thunb. trav.* iv. 150.

### 315. ALLIUM.

*Petals* 6, patent, sessile. *Stigma* simple. *Capsule* superior. *Obs.* 7873. *L.*

#### 1. Filaments simple.

*A. nutans.*

1. *ALLIUM canadense.* Scapus naked, terete, with a head composed of bulbs. Leaves linear. *L. a Murr.* 323.

*A. bulbiferum virginianum.* *Boerh.* ii. 146.

*ALLIUM canadense.* *Schoepf* 45.



2. *ALLIUM fistulosum*. Scapus fistulose. Leaves fistulose, terete. Umbel subglobose. Outer petals shorter. *Obs.* 3745. In a garden.—*L. a Murr.* 323; *sp.* 432. *Hort. kew.* i. 428.

*A.* scapo nudo folia adaequante, foliis teretibus ventricosis. *L. ups.* 78.

*A.* staminibus simplicibus, caule medio ventricoso. *Hall. opusc.* 360. n. 13.

*Cepa*. Welch Onion. *Mill. Ph. dict.* p. 2. col. 2.

*Cepa oblonga*, *Boerh.* ii. 144. *Dod.* 675, repr. in

*Cepa hispanica oblonga*. *Lob. ic.* i. 150, and *Ger.* by *Johns.* 169.

*Cepae longae*. *Park. parad. t.* 511. f. 4.

*Cepae oblongae*. *Raii hist.* 1116.

*Caepa*. *Cam. epit.* 324, inner root and stem.

*Filaments* simple. *Obs.* 3745.

*ALLIUM fistulosum*. *Spielm.* 49,

*Cepa oleracea*. *Berg.* 259,

3. *ALLIUM Victorialis*. Stem with flat leaves. Umbel rounded. Stamina longer than the corolla. Filaments lanceolate. Leaves elliptic. *L. sp.* 424. *Roth germ.* ii. 380. *Jacq. austr.* iii. t. 216. *Asso n.* 296.

*A.* radice oblonga, covered with a net work. *Hall. opusc.* 375. n. 20.

*A.* foliis caulinis lanceolatis, floribus umbellatis. *Royen* 39.

*A.* latifolium montanum maculatum. *Boerh.* ii. 145.

*A.* alpinum. *Bauh. J.* ii. 565. No fructifications. —*Raii hist.* 1122. On the highest summits above la grande Chartreuse in Dauphine.—*Dod.* 684, ed. ii. repr. from



Victorialis longa. *Clus. pann. 224, which repr. in*

A. alpinum latifolium, seu Victorialis. *Ger. by Johns. 182, & cop. in*

A. alpinum, Victorialis mas. *Tab. ic. 487, with the addition of a shoot, cop. from Lob. ic. & in*

A. anguinum. *Park. theatr. 871. Cam. epit. 329, cop. in Dalech. 1547.*

Ophioscorodon. *Lob. obs. 81, repr. in*

A. serpentinum, et Ophioscorodon. *Lob. ic. i. 159.*

No fructifications.

*Stem at least 16 inches long. Leaves lanceolate, rather obtuse. Petioles vaginant, whether inserted into the stem uncertain. Obs. 7975. Specimen gathered in Fothergill's garden.*

VICTORIALIS. *Dale 243.*

Victorialis longa. *Berg. 254. Krock. n. 504. Linn.*

*108. Murr. v. 135. Spielm. 582. Vog. 243.*

A. montanum latifolium maculatum. *Chom. i. 307.*

4. ALLIUM *Cepa.* Scapus fistulose, ventricose below, longer than the leaves. Leaves terete. Umbel subglobose. Petals nearly equal. *Obs. 3122.*  
*In a garden.*

*Petals whitish with a green costa, scarcely coherent at the base, acute, 3 outer ovate, 3 inner oval.*

*Filaments whitish, united at the base; the 3 opposite to the outer petals subulate, erect; the 3 opposite to the inner petals ovate at the base, subulate above, patulous, the ovate base nearly as broad as the petals, 2 often with a short tooth on one side near the end. Germen roundish, slightly depressed, obsoletely trigonous. Obs. 3122. 3123.*

*simplex.* Scapus simple. *Obs. 3122.*

A. *Cepa.* *L. sp. 431. Hort. kew. i. 428. Lour. i. 249.*

- Cepa vulgaris.* *Raii hist.* 1116. *Boerh.* ii. 145.  
*Caepe.* *Bauh. J.* ii. 547, *cop. from*  
*Cepa.* *Fuchs.* 421. c. 164, *which cop. in Trag.* 737.  
*Lob. obs.* 74, *repr. in*  
*Cepa rotunda.* *Dod.* 675,  
*Cepe.* *Lob. ic.* i. 150, &  
*Cepa alba.* *Ger. by Johns.* 169. *Tab. ic.* 483.  
*Cepa sativa.* *Dalech.* 1538.  
*Cepa rubra.* *Tab. ic.* 483.  
*Caepa.* *Cam. epit.* 324, *middlemost figures.*  
*Cepae rotundae.* *Park. parad. t.* 511. f. 3.  
*Flowers without any bulbs intermixed.* *Obs.* 3122.  
*CEPA.* *Pharm. succ.—Berg.* 252. *Dale* 242.  
*Lew.* i. 313. *Linn.* 109. *Mill. Jos.* 127. *Monro*  
iii. 54. *Murr.* v. 137. *Ploucq. bibl.* i. 30. 640.  
665. *Schrod.* 559. *Vog.* 190.  
*Caepa.* *Rutty* 110.  
*Caepae.* *Spiegm.* 48. *Quarin febr.* 205. 373.  
*A. Cepa.* *Bryant* 21. 92. *Lew. disp. by Dunc.*  
133. *Pearson, R.* i. 53. 221. *Schoepf* 46.  
*Cepa vulgaris, candida vel rubra.* *Geoffr.* iii. 279.  
*Cepa vulgaris.* *Neum.* ii. 172.  
*Cepa vulgaris, floribus et tunicis candidis vel purpu-*  
*rascentibus.* *Chom.* 228; *suppl.* 76.  
*Onion.* *Blizard, account from in med. rev.* i. 331.  
*Chalm.* ii. 38. 124. *Cuming in phys. journ.* xii.  
483. *Darw.* ii. 38. 71. 234. *Lind seam.* 16. 253.  
*Mertens in ph. tr. abr. by Hutt.* xiv. 403. 404.  
*Monro, Don. sold.* ii. 186. *Papin in phil. trans.*  
*abr. by Jones v. part ii.* 185; & *by Hutt.* vi. 53.  
*Rush* i. 185. *Tainsh in phys. journ.* v. 539; &  
*chir. rev.* viii. 86. *Underw.* ii. 26. 56. 58. 101.  
*§ ramosum.* *Scapus branched.* *Obs.* 3123. *In a*  
*garden.*

*Flowers* pedunculate, from amongst the bulbs.  
*Bulbs* 5 in a head, at the base and at the ends of the branches. *Obs.* 3123. Tree Onion. Bunch Onion.

5. ALLIUM *Schoenoprasum*. Scapus fistular. Leaves fistular, as long as the scapus. Petals equal, lanceolate. *Obs.* 7089. In a garden.—*L. succ. n.* 282; *sp.* 432. *Lightf.* 180. Found by Parsons by Fast Castle in Lauderdale.—*Huds.* 649. In Westmorland frequent.—*Bot. arrang.* 345. *Vahl ap. L. lapp. a Smith n.* 111\*. In Finmark, common.—*Roth germ.* i. 147; ii. 386. *Retz. scand. n.* 394. Sea shores.

A. staminibus simplicibus, foliis radicalibus teretibus scapi longitudine. *Hall. opusc.* 361. n. 14.

*Cepa sectilis juncifolia perennis.* *Boerh.* ii. 144.

*Mill. Ph. dict. p.* 2. col. 2. Cives.

*Porrum sectivum.* *Trag.* 742. *Fuchs.* 605. c. 244, *cop. in Dalech.* 1541, &

*Porrum sectivum, et Schoenoprasum quibusdam.* *Bauh. J.* ii. 553.

*Schoenoprasum.* *Tab. ic.* 486. *Dod.* 678, repr. in

*Schoenoprasum.* *Lob. ic.* i. 154, &

*Schoenoprasum.* *Ger. by Johns.* 176.

*Cepa sectilis.* *Dalech.* 1538, *cop. in Cam. epit.* 325.

*Porrum sectile.* *Cam. epit.* 322.

*Caepa.* *Cam. epit.* 324, outer fig?

*Leaves* terete, attenuate at the end, from 4 to 7 inches long, minutely striate, dull, glaucescent, with minute whitish dots. *Petioles* sheathing the base of the scapus. *Scapus* terete, slightly curved, about as long as the leaves, terete, rather rigid, of the same colour as the leaves. *Spatha* purplish, as long again as the peduncles, surrounding the base of the flowers. *Umbel* subrotundo-obovate. *Flowers* crowded. *Pt.*



*uncles* erect. *Corolla* whitish purple, rather longer than the peduncles, cylindrico-campanulate; petals carinate, united by the intervention of the stamina. *Filaments* subulate, united laterally at the base, and on their outer side to the base of the petals, every other twice as broad at the base, purplish white. *Antherae* at first purplish, afterwards grey, oval. *Pollen* white. *Pistil* as short again as the corolla. *Germen* oblong. *Style* as long as the germen. *Stigma* simple. *Obs.* 7089.—*Scapus* a foot long, straight. *Obs.* 3746. In a garden.—*Scapus* curved, 13 inches long. *Obs.* 7090. Specimen gathered by Dr. Heise on the banks of the Elbe.

*SCHOENOPRASUM.* *Berg.* 261. *Dale* 242.

*A. Schoenoprasum.* *Bryant* 92. *Krock.* n. 517. *Spielm.* 64.

β *fissile*.—*A. staminibus simplicibus, foliis radicalibus teretibus scapi longitudine.* *Hall. opusc.* 361. n. 14. γ

*A. quod Cepa fissilis.* *L. ups.* 79. n. 10.

*Cepa fissilis.* *Boerh.* ii. 144. *Dalech.* 1539, *cop. in Cam. epit.* 326.

*CEPA* sectilis. *Berg.* 262.

*Cepula, et Cepa fissilis.* *Geoffr.* iii. 284.

6. *ALLIUM ursinum.* *Scapus* triquetrous. *Leaves* lanceolate, petiolate. *Umbel* fastigate. *L. succ.* n. 277; *sp.* 431. *Bot. arrang.* 344. *Walc. t. Smith engl. t.* 122; *brit.* 359. *Cam. epit.* 330. *Park. parad.* 514. No fig.—*Fl. dan. t.* 757. *Fuchs.* 697. c. 282, *cop. in*

*A. ursinum bifolium vernum sylvaticum.* *Bauh. J.* ii. 565, &

*A. sylvestre.* *Trag.* 748, *which repr. in*



*A. campestre.* *Cord. fol.* 143. the middlemost fig.  
& *cop. in*

*A. ursinum latifolium.* *Dalech.* 1546. *Lob. ic.* i.  
158, *repr. in*

*A. sylvestre latioris folii, sive A. ursinum.* *Dod.*  
672, &

*A. ursinum.* *Ger. by Johns.* 179, and from *Lob.*  
*obs.* 80. *Dalech.* 1546.

*A. foliis radicalibus latissimis petiolatis, floribus umbellatis.* *Royen* 39. *Hall. opusc.* 379. n. 21.

*A. sylvestre latifolium.* *Raii hist.* 1122; *syn.* 370.  
*Tourn. paris.* 379. *Vaill. paris.* 5.

*Capsule* tricoccous. *Seeds* solitary. *Obs.* 5828.

In woods near Chesterfield in which tracts of ground  
are white with the flowers.

*ALLIUM ursinum.* *Krock. n.* 516. *Schreb. ap.*  
*Linn.* 108.

7. *ALLIUM triquetrum.* Scapus naked, triquetrous.  
Leaves triquetrous. From *L. a Murr.* 323; *sp.*  
1680. *Hort. kew.* i. 427. *Mill. Ph. dict. n.* 20.  
*Osborn.* i. 66. In Spain.—*Lour.* i. 250. *Bot. mag.*  
*t.* 869.

*A. caule triangulo.* *Royen* 39.

*Moly caule et foliis triangularibus.* *Park. parad.*  
142, *t.* 143. *f.* 6.

*ALLIUM caule triangulo.* *Clegh.* 34.

8. *ALLIUM oleraceum.* Leaves fistular, semiterete,  
furrowed underneath, scabrous. From *L. suec.*  
*n.* 280; *sp.* 429. *Schreb. lips.* 37. *Roth germ.*  
*ii.* 383. *Bot. arrang.* 344. *Huds.* 140. Corn-  
fields in Westmorland, and near Bristol.—*Smith*  
*engl. t.* 488, from a plant gathered by Mr. Forby  
at Fincham in Norfolk; *brit.* 358. Found by Sir

T. Frankland near York.—*Teesdale in linn. trans.*  
 ii. 107. Ploughed fields near Hovingham moor in  
 the north riding of Yorkshire.

A. umbella bulbifera, vagina bicorni, foliis teretibus.  
*Hall. opusc.* 387. n. 26.

A. umbella bulbifera, vagina bicorni, foliis teretibus.  
*Hall. opusc. t. 1, at p.* 387.

A. sylvestre bicorne, flore obsoleto. *Raii europ.*  
 56. Cornfields near Geneva.

A. bicorne proliferum, flore intus albescente cum  
 stria purpurascante externe. *Bauh. J.* ii. 561.  
 Near Geneva, and Montbelliard in Franche Comte.

A. sylvestre bicorne, flore viridi. *Bauh. J.* ii. 562.  
 (The descr. probably belongs to a different species.)

A. sive Moly montanum III. *Clus. pann.* 215, re-  
 pr. in *hist.* i. 194, &

Moly montanum, 3 *Clusii.* *Ger. by Johns.* 188.

A. sylvestre alterum. *Fuchs.* 697. c. 282, as evident  
 from the length of the bractea, *cop. in*

A. caninum alterum. *Trag.* 748, which repr. in

A. campestre. *Cord. fol.* 143. outer fig.

(A. sylvestre bicorne, flore ex herbaceo albicante cum  
 triplici stria atropurpurea. *Raii hist.* 1119; *syn.*  
 370, is A. carinatum  $\beta$ )

*ALLIUM oleraceum.* *Bryant* 93.

9. *ALLIUM odorum.* Scapus naked, slightly com-  
 pressed and two-edged, or terete with one obsolete  
 angle. Leaves ensiformi-linear. Umbel fastigiate.  
*Obs.* 7794. In Mr. Knowlton's garden.—*L. mant.*  
 62. *Salisb. W.* 4.

Of a strong garliclike scent when bruised. *Leaves*  
 fistular, 16 inches long. *Scapus* sometimes terete  
 with an obsolete angle from the base to above the  
 middle, sometimes terete and two-edged, sometimes

terete and two-edged below, and slightly compressed and two-edged above, attenuate, erect, to 2 feet 5 inches long, fistular, solid towards the base, when the fruit ripe fistular throughout its whole length. *Flowers* of the scent of bitter almonds. *Corolla* purplish fleshcoloured white. *Petals* oblongo-lanceolate, acute, patent, distinct, 3 outer narrower, more acute, conduplicate, brownish purple along the keel on the outside. *Stamina* somewhat more than half as long as the petals. *Filaments* subulate, brownish purple. *Pistil* as long as the stamina. *Germen* green, oval, trigonous, with lines along the angles. *Style* filiform. *Stigma* simple. *Seeds* black, angular. *Obs.* 7794. *ALLIUM* odorum. *Lour.* i. 251.

2. Every other filament trifid.

10. *ALLIUM ascalonicum*. Scapus naked, terete. Leaves subulate. Umbel globose. *L. sp.* 429. *Hort. kew.* i. 426.  
*A. quod Cepa foliis subulatis, radicibus oblongis conglobatis. L. ups.* 79.  
*Ascalonitides antiquorum. Lob. adv.* 58. No fig.—  
*ic.* i. 153, (misprinted 169,) repr in  
*Ascalonitides. Ger. by Johns.* 170, & cop. in  
*Cepa ascalonica, sive fissilis. Bauh. J.* ii. 551.  
*Cepa ascalonia. Dalech.* 1539, cop. in *Cam. epit.* 327.  
*Cepa ascalonica. Park. parad.* 513. No fig.  
*ALLIUM ascalonicum. Bryant* 23. *Lour.* i. 250.  
*Pearson, R.* i. 53. *Spiegm.* 38.  
*Cepa ascalonica. Berg.* 258. *Dale* 242. *Geoffr.* iii. 283.  
*Eschalot. Chalm.* ii. 18. 115. *Lind seam.* 16.  
*Shallot. Blane* 235. *Lind seam.* 20.



11. ALLIUM *Ampeloprasum*. Stem with an umbel, Leaves flat. Umbel globose. Petals scabrous at the margin and outer side. *Obs.* 7873. In Mr. Hunter's nursery.—*L. sp.* 423. *Bot. arrang.* 342. *Thunb. cap.* 65. *Smith brit.* 355, from the herbarium of Buddle, describing all the filaments as tricuspidate.

A. sphaericeo capite, folio latiore, sive Scorodoprasum alterum. *Boerh.* ii. 145.

Scorodoprasum I. *Clus. pann.* 208, where the roots are said to have been transported from Constantinople to Vienna; *repr. in hist.* i. 190,

*Ampeloprasum.* *Dod.* 678,

*Scorodoprasum.* *Lob. ic.* i. 157, &

*Scorodoprasum primum* Clusii. *Ger. by Johns.* 180, & *cop. in*

*Scorodoprasum alterum* Lobelii. *Park. theatr.* 872, &

*Scorodoprasum dictum.* *Bauh. J.* ii. 558. *Raii hist.* 1121. In gardens at Cambridge, and at San Marino in Italy.

A. montanum majus anglicum Newtoni. *Raii hist.* 1125. Found by Newton in the isle of Holms in the estuary of the Severn. The description probably Newton's, and the root said to be composed of several large nuclei, but at p. 1121, he tells us that in the descr. at p. 1125, the negative *non* had been omitted.

A. holmense, sphaerico capite. *Raii syn.* 370, where the root is said to be simple like that of A. Cepa, and not composed of nuclei as described in *hist.* 1125.

Of a garlic scent. Root roundish, composed of 6 ovate acute angular whitish strawcoloured bulbs, of different sizes, inclosed by the white scariosse bases



of the petioles. *Stem* 5 feet long, erect, terete, gradually attenuate. *Leaves* scabrous at the margin. *Petals* pink, erect, glabrous on the inner side, 3 outer elliptic, 3 inner oblongo-elliptic, somewhat broader. *Stamina* somewhat longer than the corolla. *Filaments* white, membranaceous; the 3 opposite to the 3 outer petals ovato-subulate; the 3 opposite to the inner petals ovate, trifid at the end, broader at the base than the petals; segments subulate, lateral segments twice as long as the intermediate one. *Obs.* 7873.—Of a strong garlic scent. *Bulbs* of 2 kinds, some belonging to flowering stems and others likely to flower next year; the former surrounding the base of the stem, 4, ovate, acute, convex on the outer side, angular on the inner side with flat sides, the outer coats brownish and tawny readily separating and cleaving longitudinally,  $1\frac{1}{2}$  inch long; the bulbs for the future year spheroidal, from 9 tenths of an inch to  $1\frac{1}{2}$  inch long and broad, tunicate, viscid, their outer coats having been rubbed off. *Stem* at the base terete, solid,  $3\frac{1}{2}$  tenths of an inch broad. *Umbels* globular, crowded, 3 inches broad. *Pedicles* filiform, glabrous, turbinate at the end, 2 inches long. *Corolla* as described above; petals costate. *Filaments*, the 3 narrower mostly simple, sometimes with a subulate segment on one side, sometimes with an obsolete tooth on each side. *Capsule* not yet ripe, subrotundo-ovate, trilocular. *Seeds* not ripe, whitish, angular, several in each cell. *Obs.* 8217. Recent roots and flowering heads gathered for me in the isle of Holms at the request of Mr. R. Jebb. 2 Nov.

**SCORODOPRASSUM.** Dale 243.

A. capite sphaerico, folio latiore. Clegh. 33.

12. **ALLIUM Porrum.** Stem with an umbel. Leaves flat. Umbel hemispheric. Three outer petals scabrous on the outer side. *Obs.* 481. In a garden.—*L. sp.* 423. *Hort. kew.* i. 422. *Asso n.* 295. In ploughed fields and olive grounds.

A. caule planifolio umbellifero, radice tunicata, staminibus tricuspidatis. *L. ups.* 77.

A. staminibus alterne trifidis, foliis gramineis, floribus sphaerice congestis, radice tunicata cauli circumnata. *Hall. opusc.* 348. n. 7.

Porrum commune capitatum. *Boerh.* ii. 143.

Porrum commune. *Matth.* 551, cop. in *Dalech.* 1542, &

Porrum vulgare. *Lob. ic.* i. 154, which repr. in

Porrum. *Dod.* 677, &

Porrum capitatum. *Ger. by Johns.* 174. *Fuchs.* 605. c. 244, without fructifications, cop. in

Porrum. *Bauh. J.* ii. 551, with the addition of a plant in flower.—*Cam. epit.* 321. *Tab. ic.* 484.

*Park. parad.* 512. t. 511. f. 5. *Raii hist.* 1126.

Porrum sectivum et capitatum. *Matth.* 550, cop. in *Dalech.* 1542, &

Porrum sectivum. *Dod.* 677, which repr. in

Porrum tonsile. *Lob. ic.* i. 155, &

Porrum sectivum aut tonsile. *Ger. by Johns.* 174.

Scorodoprason. *Trag.* 745, repr. in

A. sativum amphicarpum. *Cord. hist. fol.* 144. p. 2. No flowering head.

Root biennial if not perennial. Stem erect, 3 feet long. Leaves ensiform. Corolla campanulate.

Petals purplish white with a green costa, obsoletely serrate; 3 outer oblongo-lanceolate, glabrous at the margin; 3 inner oblong, broader, glabrous. Stamina somewhat longer than the corolla. Filaments denticulate at the margin, those opposite the outer

petals subulate, those opposite the inner petals somewhat broader than the petals, deeply semitrifid, the lower part oblong; lateral segments setaceous nearly twice as long as the intermediate one. *Obs.* 481.

*PORRUM.* *Berg.* 253. *Dale* 243. *Geoffr. suite* ii. 59. *Linn.* 107. *Mill. Jos.* 356. *Monro* iv. 20. *Murr.* v. 134. *Rutty* 407. *Spiclm.* 64. *Vog.* 114. 180.

*A. Porrum.* *Bryant* 135. *Pearson, R.* i. 53. 221. *Schoepf* 46.

*Porrum commune capitatum.* *Chom.* 230; *suppl.* 78.

*Leeks.* *Gaitskill in med. facts* iv. 71. *Lind seam.* 16. *Monro, Don. sold.* ii. 186.

13. *ALLIUM sativum.* Stem with an umbel with bulbs intermixed. Leaves flat. Peduncle straight. *From Haller, and L. sp.* 425. *Hort. kew.* i. 423. *Boerh.* ii. 145. *Woodv.* 460. t. 168. *Lour.* i. 249.

*A. caule planifolio bulbifero, radice composita, staminibus tricuspidatis.* *L. ups.* 76.

*A. staminibus alterne trifidis, foliis gramineis, capite bulbifero, radicibus in unum bulbum congruentibus.* *Hall. opusc.* 331. n. 1.

*A. sativum silvestre.* *Dalech.* 1546, (the fig. with 2 bracteae at the base of the head probably intended for a different species,) *imit. in*

*Allium.* *Dod.* 671, *which repr. in Lob. obs.* 80; *ic.* i. 158, & *Ger. by Johns.* 178, *cop. in*

*Porrum silvestre latifolium.* *Tab. ic.* 486, &

*A. sativum.* *Hist. ox.* ii. 387. s. 4. t. 15, and the plant with the expanded head *abr. in*

*Allium.* *Park. parad. t.* 511. f. 6. *Cam. epit.* 328, *cop. in Stap.* 790, &



*A. vulgare et sativum.* Bauh. J. ii. 554. Raii hist. 1125. Trag. 745, repr. in

*A. capite multifido.* Cord. hist. fol. 144. p. 2. f. 2, imit. from

*A. hortense.* Fuchs. 696. c. 282. Root and leaves.

**ALLIUM.** Garlic. The root. Pharm. lond.—

*Alst.* i. 359. *Berg.* 254. *Blane* 234. *Cull.* ii.

172. 559. *Dale* 242. *Duncan cases* 164. *For-*

*dyce, G. pract.* 156. *Graing.* 27. *Heberd.* 61.

*Hill* 659. *Lew.* i. 47. *Linn.* 108. *Mead mon.*

i. 117. *Mill. Jos.* 23. *Monro* iii. 9. *Murr.* v.

122; *J.* i. 351. *Papin in phil. trans. abr. by*

*Jones v. part ii.* 185; and by *Hutt.* vi. 53.

*Ploucq. bibl.* i. 461. 698. *Quarin febr.* 373;

*anim.* 291. *Rutty* 13. *Schrod.* 529. *Vog.* 184.

*A. sativum.* Pharm. edin.—*Chom.* 304; suppl.

101. *Lew. disp. by Dunc.* 131. *Krock. n.* 506.

*Murr. J.* i. 330. *Neum.* ii. 170. *Pearson, R.*

i. 53. 141. 221; ii. 165. *Schoepf* 46.

*A. vulgare.* *Geoffr.* iii. 59. *Spiegm.* 38.

**Garlic.** *Blane* 234. *Chalm.* ii. 115. *Cull. pract.*

n. 580. *Darw.* ii. 71. 704. *Fordyce, G. sec.* ii.

151; iv. 115. 119. *Lind hot clim.* 315; *seam.*

16. 80. *Pringle* 216. *Rush* i. 185; ii. 128. iii.

291; v. 204. *Underw.* ii. 56. 58. 59; iii. 189.

14. **ALLIUM contortum.** Stem with an umbel with bulbs intermixed. Leaves flat, glabrous. Peduncle before flowering contorted. From

*A. staminibus alterne trifidis, capite bulbifero, scapo ante maturitatem contorto.* Hall. opusc. 334. n.

2. Peduncle generally erect after flowering.

*A. Scorodoprasum.* L. sp. 425 β. Hort. kew. i.

423. Mill. Ph. diet. n. 2. Rocambole.



A. caule planifolio bulbifero, foliis crenulatis, vaginis ancipitibus. *L. ups.* 77 β.

Porrum radice laterali cordata solida, pedunculo revoluta, capitulo bulbifero. *Royen* 40.

Allii genus, Ophioscorodon dictum quibusdam. *Bauh. J.* ii. 559.

Scorodoprasum II. *Clus. pann.* 210, repr. in hist. i. 191, &

Ophioscoridon. *Ger. by Johns.* 181, & cop. in

Scorodoprasum alterum, convoluta capite. *Park. theatr.* 873, &

A. sativum alterum, sive Allioprasum caulis summo circumvoluta. *Hist. ox.* ii. 387. s. 4. t. 15. *Boerh.* ii. 145.

Scorodoprasum. *Cam. epit.* 331.

OPHIOSCORODON. *Dale* 242.

Scorodoprasum. *Berg.* 257.

Allioprasum. *Geoffr.* iii. 60.

A. Scorodoprasum. *Bryant* 23. *Krock. n.* 507. *Pearson. R.* i. 53. *Spielm.* 38.

A. sativum alterum, Allioprasum caulis summo circumvoluta. *Chom.* i. 304.

15. ALLIUM angulosum. Scapus two-edged. Leaves linear, canaliculate, somewhat angular underneath. Umbel fastigate. *L. sp.* 430; *mant.* 364. *Hort. kew.* i. 427. *Jacq. austr.* v. t. 423. Filaments simple.

A. radice senescente lignosa transversa III. *Hall. opusc.* 374.

Cepa scapo nudo subangulato farcto, foliis linearibus subtus angulosis, staminibus corolla brevioribus.

*Gmel. sib.* i. 58. t. 14. f. 2.

ALLIUM angulosum. *Lour.* i. 251.

16. **ALLIUM vineale.** Leaves terete. Stem with a head composed of bulbs with flowers intermixed. *Obs.* 8129. In a pasture at the lower end of Dove dale in Derbyshire.—*L. sp.* 428. *Pollich n.* 329. *Bot. arrang.* 343. *Smith brit.* 359. *Asso n.* 299.
- A. staminibus alterne trifidis, foliis fistulosis, capite bulbifero sphaerico, radice multiplici.* *Hall. opusc.* 338. *n.* 4.
- Cepa sylvestris tenuifolia prolifera et florifera.* *Boerh.* ii. 144.
- Cepa sylvestris tenuifolia prolifera.* *Tourn. paris.* 413. *Vaill. paris.* 32.
- A. sylvestre tenuifolium.* *Dod.* 672, *repr. in Lob. ic. i.* 156, &
- A. sylvestre.* *Ger. by Johns.* 179, and *abr. in Park. theatr.* 871. *Raii hist.* 1117; *syn.* 369.
- A. sylvestre primum.* *Fuchs.* 696. *c.* 282, *cop. in*
- A. caninum.* *Trag.* 748, with another bractea improperly added, *which repr. in*
- A. campestre.* *Cord. fol.* 143.
- Root composed of 2 bulbs.* *Obs.* 8129.
- ALLIUM sylvestre.** *Dale* 242.
- A. biceps.* (Variation.) Stem with 2 and 3 heads of bulbs. *Obs.* 473. In a garden.
- A. n. II.* *Hall. opusc.* 342.
- Ampeloprasson, Porrum sylvestre.* *Lob. ic. i.* 155, *cop. in Dalech.* 1544.
- Ampeloprassum.* *Park. theatr.* 871.
- Porrum sylvestre gemino capite.* *Raii hist.* 1118.
- Hist. ox. s. 4. t. 15. f. 4*

## 316. LILIUM.

*Corolla* inferior; petals 6, channelled at the base, patent and revolute. *Capsule* three cornered, with 6 furrows; valves connected by matted hair. *Obs.* 6422. *L.*

1. *Leaves scattered.* *L.*

1. *LILIUM candidum.* *Corolla* campanulate, glabrous within. Flowers patent. *Obs.* 6422. In a garden.—*L. sp.* 433. *Hort. kew.* i. 429. *Curt. mag.* t. 278, the best representation of a white corolla in a coloured plate.—*Regn. t.* the end of the stem *cop. in Woodv.* ii. 279. t. 101. *Lour.* i. 256. *Dod.* 197, repr. in *Lab. obs.* 83; *ic.* i. 163; & *L. album.* *Ger. by Johns.* 190, and *abr. in Park.* *parad. t.* 37. f. 4. *Raii hist.* 1709. *Tab. ic.* 638. *Trag.* 793, *cop. from*

*L. candidum,* *Fuchs.* 359. c. 138, which *cop. in*

*L. album vulgare.* *Bauh. J.* ii. 685. f. 1. 2.

*Lilium.* *Cam, epit.* 570.

*L. album flore erecto, et vulgare.* *Boeth.* ii. 135.

*Leaves,* the lower cauline lineari-lanceolate, the next lanceolate, those above elliptic, the uppermost ovate. *Petioles* erect. *Petals* white, yellowish green at the base on the inner side; 3 inner one third bipader. *Stamina* straight. *Style* towards the end ascending. *Stigma* turbinate. *Obs.* 6422.

*LILIUM.* *Geoffr.* iii. 721. *Linn.* 109. *Spielm.* 459.

*L. album.* *Pharm. austriaco-prov.* 45. *succ.*—*Alst.* i. 477. *Berg.* 263. *Dale* 241. *Herm.* 155. *Lew.* ii. 63; *disp. by Dunc.* 248. *Mill. Jos.* 268.

*Murr. v.* 88. *Ploucq. bibl. i.* 422. *Rutty* 236.  
*Vog.* 147. 202.

*L. album vulgare. Cartheus. i.* 269.

*L. album, flore erecto, et vulgare. Chom.* 723.

White Lily. *Underw. i.* 352; *ii.* 26.

2. *LILIUM bulbiferum.* Corollae campanulate, erect,  
barbate within. *Obs.* 461. In a garden.—*L. sp.*  
433. *Hort. kew. i.* 430. *Curt. mag. t.* 36. *Host*  
186. *Krock. n.* 519. *Jacq. austr. t.* 226.

*Hemerocallis. Cam. epit.* 616.

Native of Italy, Carniola, Stiria, and Austria.

- *croceum.* Corolla saffroncoloured. *Obs.* 461. *L.*  
*α. H. K. α.*

*L. croceum, Fuchs.* 359. *c.* 138.

*L. rufum. Trag.* 792.

*Hemerocallis prior. Dalech.* 1498.

*Martagon chymistarum alterum. Lob. ic.* 164, *repr.*  
*in*

*L. rubrum. Ger. by Johns.* 192, & *cop. in*

*L. phoenicium dilutum. Bauh. J. ii.* 690.

Root scaly, white, with fibres from the base of the  
bulb. Stem from 2 to 3 feet long, erect, with ver-  
ticillate fibres about an inch above the bulb. Petals  
2 inches long, with 2 bearded elevated costae at the  
base on the upper side. *Obs.* 461.

- β *rutilum.* Corolla reddish saffroncoloured. From

*L. purpureo-croceum majus. Boerh. ii.* 135, &

*L. purpureum majus. Dod.* 198, *repr. in*

*Martagon chymistarum. Lob. ic. i.* 164,

*L. aureum. Ger. by Johns.* 192, & *cop. in*

*L. rubens vel croceum majus. Bauh. J. ii.* 688.

*Raii hist.* 1110. In woods above Naples.

*HEMEROCALLIS. Dale* 241.



2. *Leaves verticillate. L.*

3. *LILIUM Martagon*. Flowers reflex. Petals revolute. *L. sp.* 435. *Scop. carn. n.* 402. *Pollich n.* 331. *Gouan hort.* 170. Near Montpellier.—*Roth. germ. i.* 152. *Willd. berol. n.* 375. *Reich. franc. n.* 227. *Asso n.* 301. *Jacq. austr. t.* 351.

*L. floribus reflexis montanum. Raii hist.* 1112; *europ.* 165. Near Geneva.—*Boerh. ii.* 135.

*Martagon sylvaticum. Rupp. ab. Hall.* 148. Mountainous woods.

*Asphodelus foemina. Fuchs.* 121. c. 40, cop. in *Hyacinthus poetarum*, aliis *Asphodelus foemina. Trag.* 787, &

*L. flore nutante ferrugineo. Bauh. J. ii.* 692. On Mont Bar near Montbeliard, and on Mont Mutetz.

*L. sylvestre. Dod.* 201, repr. in

*L. montanum. Lob. obs.* 85, &

*L. montanum minus. Ger. by Johns.* 196.

*L. montanum, sive minus. Park. parad.* 31. No fig.

*MARTAGON. Dale* 241.

*L. Martagon. Bryant* 46. *Krock. n.* 518. *Murr. v.* 140.

4. *LILIUM camschatcense*. Flower erect. Corolla campanulate. Petals sessile. *L.—H. K. i.* 431. *Mill. Ph. dict. n.* 12.

*SARANA. Cook voy.* 3rd, iv. 123.

*Saranne. Ib. iii.* 95. 118.

## 317. FRITILLARIA.

*Corolla campanulate; petals 6, with a cavity con-*

taining a sweet liquor at the base. *Stamina* as long as the corolla. *Style* trifid. *Obs.* 5694. *L.*

1. FRITILLARIA *graminifolia*. Stem with mostly 1 flower. Ends of the petals straight. *Obs.* 5695. Specimen gathered in the Leyden garden.

*F. Meleagris*. *L. succ. n.* 283, naturalised;—*sp.* 436. *Mill. Ph. dict. n.* 1. *Huds.* 144, who considers it as a naturalised plant. In meadows between Mortlake and Kew in Surry; and found by Cullum near Bury in Suffolk.—*Curt. lond.* iii. 20. t. 218. *Walc t. Bot. arrang.* 346. Found by Mr. Woodward in Suffolk, by Mr. Dickenson in Staffordshire, and by Dr. Arnold near Leicester.—*Smith engl. t.* 622; *brit.* 361. Found by Mr. Murray near Reading.—*Scop. carn. n.* 405. In meadows near Oberlaibach in Carniola.—*Host* 187. In low meadows about Laubach in Carniola, and in the shady places of a mountain in Litorali.—*Sibth. ox. n.* 333. *Relh. ed.* ii. 133. *Abbot n.* 254. *Fl. dan. t.* 972. *Wulfen ap. Jacq. austr. v. app.* 45. t. 32.

*F. radice depressa*. *Royen* 30.

*F. foliis omnibus alternis*. *L. ups.* 81.

*Meleagris*. *Dod.* 233, *repr. in*

*Fritillaria alba praecox*. *Ger. by Johns.* 150, (the name and descr. belong to  $\beta$ ) &

*Fritillaria*. *Lob. obs.* 65. *Guett.* i. 128. In a wood near Orleans.—*Clus.* i. 152, said to have been found in Normandy and Bretagne; *repr. from*

*F. saturatio*. *Clus. pann.* 173, in meadows near Orleans, and said to have been observed near Buda in Hungary; & *repr. in*

*Meleagris altera icon cum fructu*. *Dod.* 233,

- *Lilio-Narcissus variegatus atropurpureus xanctonicus.* *Lob. ic. i.* 136, 8.

*F. variegata.* *Ger. by Johns.* 149. Stem with 1 flower,

• *Meleagris, sive F. saturator.* *Bauh. J. ii.* 681. Stem with 3 flowers.

• *F. vulgaris.* *Park. parad.* 40. t. 41. f. 1. *Raii hist.* 1106.

• *F. praecox purpurea variegata.* *Blackst. haresf.* 29.

Maud-fields near Rislip Common.—*Magn. hort.* 81. *Boerh. ii.* 139.

*Leaves*, the lowermost lanceolate, the rest linear.

*Petals* rather acute, but rounded at the very end.

—*Obs.* 5695.—Stem with 2 flowers. *Obs.* 5697. Specimen gathered in the Leyden garden.

*Native* of Litorali, Carniola, and Hungary, and possibly of Orleanois, Normandy, and Bretagne; and naturalised in Sweden, Surry, Middlesex, Berkshire, Oxfordshire, Suffolk, Cambridgeshire, Bedfordshire, Leicestershire, and Staffordshire.

• *MELEAGRIS.* *Renealm.* 147. t. 146. In the neighbourhood of Blois. The account of its virtues cop. in *Raii hist.* 1109. par. 5.

### 318. *UVULARIA.*

• *Petals* 6, lanceolate, erect, distinct. *Nectaria* a hollow at the base of each petal. *Style* semitrifid.

• *Obs.* 5699. *L.*

• *UVULARIA amplexifolia.* *Leaves* amplexicaul, glabrous. *Stem* glabrous. *L. a Willd.* ii. 93; sp. 436; *mant.* 364. *Hart. kew.* i. 436. *Murr.*

*sp. L. a Murr. 325. Host 187. Found by Zois in Carniola.*

*U. foliis cordato-oblongis. Royen 29.*

*Polygonatum III. Clus. pann. 266, repr. in*

*Polygonatum latifolium IIII ramosum. Clus. hist. i. 276, &*

*Polygonatum ramosum. Ger. by Johns. 904, cop. in*

*Polygonatum latifolium ramosum, sive quantum Clus. sii. Park. theatr. 696, &*

*Hippoglossum. Dalech. 207.*

*Polygonatum latifolium ramosum. Bauh. J. iii. b. 530. Raii hist. 665.*

*UVULARIA amplexifolia. Krock. n. 520.*

2. *UVULARIA perfoliata. Leaves perfoliate, ovate. Hort. kew. i. 437. L. sp. 437.*

*Polygonatum ramosum perfoliatum, flore luteo, majus, americanum. Park. theatr. 698.*

*Leaves oval, acute. Obs. 8221. Specimen gathered in Saville's garden.*

*UVULARIA. Schoepf 46.*

### 319. GLORIOSA.

*Petals 6, undulate, reflex. Style oblique. L.*

1. *GLORIOSA cirrhifolia.*—Leaves cirrhiferous. *L.*

*G. superba. L. a Murr. 324; sp. 437; mant. 364. Hort. kew. i. 434.*

*Gloriosa. L. cliff. 121; zeyl. 122. Royen 29.*

*Mendonii. Rheede. vii. t. 107. f. 57.*

*Methonica gloriosa, foliis capreolatis, floribus fimbriatis reflexis. Burm. J. zeyl. 158.*



*Methonica malabarorum*, Nienghala zeylanensium.

*Pluk. alm.* 249; *phyt. t.* 116. *f.* 3.

*Lilium zeylanicum superbum*. *Commel. hort.* i. 69.  
*t.* 35.

*Methonica malabarorum*, Niengala zeylonensium,

*Lilium zeylanicum superbum vulgo*. *Raii hist.*  
1915.

*Lilium zeylanicum*, seminibus ad paeoniam acceden-  
tibus. *Pluk. mant.* 130.

*METHONICA malabarorum*. *Boerh. hort.* ii.  
134.

### 320. ERYTHRONIUM.

*Corolla* campanulate; petals 6; the 3 inner with a  
quadridentate scale growing to the base. *Obs.*  
3480. *L.*

1. *ERYTHRONIUM Dens canis*. *L. sp.* 437. *Hort.*  
*kew.* i. 434. *Scop. carn. n.* 406. *Host* 188. *Jacq.*  
*austr. v. app. t.* 9.

*Dens canis* latiore rotundioreque folio. *Raii hist.*  
1178.

*Satyrium quorundam*. *Bauh. J.* ii. 681.

*Native* of the state of Genoa, Piedmont, Switzer-  
land, Litorali, Carniola, Croatia, and Stiria.

*DENS CANINUS*. *Dale* 246.

*Erythronium*. *Gmel. sibir.* i. 39, *t.* 7, and account  
from in *phil. trans. abr. by Hutt.* x. 354.

- a rubens*. *Corolla* purplish red. *Curt. mag. t.* 5.

*Dentali I.* *Clus. pann.* 229, repr. in

*Dens caninus* purpurascente flore. *Clus. hist.* i. 266,

*Erithronium*. *Lob. obs.* 97,

*Satyrium*, et *Dens caninus*. *Lob. ic.* i. 196,

*Dens caninus.* *Dod.* 203, and *Ger. by Johns.* 204,  
& the separate flower *cop. in*

*Dens caninus flore purpurascente.* *Park. par.* 194.  
*t.* 191. *f.* 7.

*Erythronium.* *Lob. adv.* 64, *repr. in*

*E. Dens caninus herbariorum.* *Lob. ic. i.* 195.

*Dens caninus flore purpureo.* *Raii europ.* 115.

Near Turin.

β *album.* Corolla white. *Obs.* 3480. In a garden.

*Dentali II.* *Clus. pann.* 230, *repr. in*

*Dens caninus albo flore.* *Clus. hist. i.* 266,

*E. flore albo, augustioribus foliis.* *Lob. ic. i.* 196,  
& *Ger. by Johns.* 204, & *cop. with different leaves*  
*in*

*Dens caninus flore albo.* *Park.* 193, *t.* 191. *f.* 8.

*Dens caninus flore albo.* *Raii europ.* 115. Between  
Novi and Genoa.

### 321. TULIPA.

*Corolla* inferior, campanulate, hexapetalous. *Style*  
*none.* *Capsule* with 3 cells. *Obs.* 8068. *L.*

1. *TULIPA stricta.* Stem with 1 flower, glabrous.

Leaves ovato-lanceolate. Filaments glabrous.

*Obs.* 8068. Specimen gathered in a garden.

*T. gesneriana.* *L. sp.* 438; a *Willd.* ii. 96. *Hort.*  
*kew.* i. 435.

*T. turcarum.* *Gesn. ap. Cord. fol.* 213. *p.* 1.

*Lilionarcissus purpureus.* *Lob. adv.* 52.

*T. major.* *Dalech.* 1529.

*Tulipa.* *Park. parad.* 45. *t.* 53. 57. 59, where  
many varieties figured.—*Dod.* 231, *repr. in*

*Lilio-narcissus coccineus.* *Lob. ic. i.* 127, &

*T. serotina* lutea, guttis sanguineis, fundo nigro.  
*Ger. by Johns.* 145, cop. in

*T. praecox* purpurea varia. *Bauh. J.* ii. 669, with  
figures of many other varieties in all these au-  
thors.

Satyrión sive *T. praecox*. *Park. theatr.* 1342.

*T.* sive *Lilio-narcissus*. *Bauh. J.* ii. 663.

*TULIPA*. *Dale* 244. *Raii hist.* 1150. *par. the*  
*last.*

*T. gesneriana*. *Bryant* 46.

### 322. CURCULIGO.

*Corolla* hexapetalous, flat. *Style* very short. *Stig-*  
*mata* 3, diverging. *Capsule* unilocular, with 4  
seeds, spongy, rostrate. *From Willd.—Roxb.*

1. *CURCULIGO orchoides*. *L. a Willd.* ii. 105?  
*Roxb. corom.* i. 14. *t.* 13? but the corolla is yel-  
low and the fruit has 4 seeds.

*ORCHIS* amboinica major, radice raphanoide.  
*Rumph.* vi. 117. *t.* 54. *f.* 1. *Corolla* whitish  
mixed with red. *Fruit* with a black seed.

### 323. HYPOXIS.

*Corolla* superior, permanent, sexpartite. *Capsule*  
narrower at the base. *Hort. kew.—L.*

1. *HYPOXIS erecta*. Pilose. *Scapus* with mostly  
4 flowers, shorter than the leaves. *Obs.* 649. In  
*Crome garden.—L. sp.* 439. *Hort. kew.* i. 438.

MONOGYNIA. 325. Ornithogalum. -241

*L. a Willd.* ii. 106, but the peduncles described as being twice as long as the flowers.—*Bot. mag. by Sims* t. 710, has a panicle. Flowers as long as the pedicles.

*Ornithogalum scapo angulato, pedunculis umbellatis villosis. Gron. virg.* 51.

*Ornithogalum herbaceum luteum parvum virginianum, foliis gramineis hirsutis. Pluk. alm.* 272. t. 350. f. 12.

*Ornithogalum virginianum luteum. Pet. gaz.* 1. t. 1. f. 3.

*Bractee* subulate, shorter than the pedicles. *Petalis* lanceolate. *Obs.* 649.

*HYPOXIS* erecta. *Schoepf* 46.

324. LIRIOPE.

*Corolla* inferior, sexpartite. *Stamina* inserted into the receptacle. *Berry* monospermous. *From Lour.*

1. *LIRIOPE spicata. Lour.* i. 248.

325. ORNITHOGALUM.

*Petals* 6, permanent. *Capsule* superior, with 3 cells. *Obs.* 5868. *L.*

Wherein does this genus differ from *Allium*? Can scent be admitted as a generic characteristic?

1. *Filaments* undivided. *L. a Gm.*

1. *ORNITHOGALUM latifolium.* Flowers in a ra-



cemus. Petals oblongo-lanceolate. Filaments lanceolate, nearly equal. Pistil nearly as long as the shorter filaments. *Obs.* 5868. In a garden. —*L.*—*L. fil. suppl.* 200. *Hort. kew.* i. 441.

*O. maximum album.* *Park. parad.* 135. *t.* 137. *f.* 2. who describes the petals as snowy white without any line on the outside.

*Leaves* withered. *Scapus* rorid. *Bracteae* subulate whitish, half as long as the peduncles. *Petals* white, the 3 outer ovali-elliptic, the 3 inner oblongo-lanceolate, patent, and horizontali-patent, flat. *Stamina* half as long as the petals. *Filaments* entire, white, the 3 opposite to the outer petals ovato-subulate, the 3 opposite to the inner petals just sensibly longer, ovato-lanceolate. *Germen* pale yellowish green. *Style* half as long as the germen, whitish. *Obs.* 5868.

*ORNITHOGALUM latifolium.* *Bryant* 47.

2. *ORNITHOGALUM horologicum.* Flowers in a corymbus. Peduncles rising above the end of the scapus. Filaments subulate, every other broader. *Obs.* 891. In a garden.

*O. umbellatum.* *L. sp.* 441. *Hort. kew.* i. 440. *Bot. arrang.* 347. *Smith engl. t.* 130; *brit.* 364. Found by Mr. Wagstaffe at Babergh in Norfolk, by Mr. Robson at Knaresborough in Yorkshire, and Mrs. Cobbold at Little Stonham Suffolk.—*Huds.* 143. Found by Stillingfleet in woods meadows and pastures in Norfolk.—*Relh. n.* 1070. In orchards and pastures.—*Abbot* 76. On Everton heath in Bedfordshire.—*Asso n.* 305. *Scop. carn. n.* 408. In cultivated ground.—*Gouan hort.* 172. In corn-fields about Montpellier.—*Host* 189. In cultivated ground, meadows, and rough ground.

exposed to the sun.—*Gort. belg. ford. n.* 298.

*Pollich n.* 333. In fields and orchards.—*Roth germ. i.* 151. In orchards and corn-fields.

O. floribus corymbosis, pedunculis scapum longe superantibus, filamentis alternis emarginatis. *Guett. i.* 132.

O. umbellatum medium angustifolium medium. *Vaill. paris.* 154.

*Ηλιοχαμνος. Renealm.* 88. t. 87.

O. quintum sive vulgare. *Magn. monsp.* 194. In corn fields.

Bulbus lencanthemus minor, sive Ornithogalum.

*Dod.* 221, cornfields in Brabant; repr. in

Bulbus lencanthemus minor. *Lob. obs.* 72.

Ornithogalon. *Lob. ic. i.* 148,

Ornithogalum. *Ger. by Johns.* 165; native of England; & cop. in

O. Dodonaei. *Dalech.* 1582, &

O. vulgare et verius majus et minus. *Bauh. J.* ii. 630, *Raii hist.* 1153; *syn.* 372. In orchards and hedges, but apparently not indigenous.

O. II Matthioli. *Dalech.* 1582.

Native of Italy, Germany, France, Holland, Suffolk, Norfolk, Bedfordshire, and perhaps Yorkshire.

ORNITHOGALON. *Dale* 244.

O. vulgare. *Park. parad.* 136. No fig.—140. par. the 2nd from the bottom.

3. ORNITHOGALUM luteum. Stem leafy and umbelliferous at the end. *Obs.* 3728. Specimens gathered in corn fields between a village on the left bank of the Rhine and Cologne.—*Host* 188. *Scop. carn. n.* 410. *Pollich. n.* 332. *Vaill. paris.* 154. *Krock. n.* 521.

Native of Europe from Italy to Norway.

ORNITHOGALUM luteum. Linn. succ. 107.

α Peduncles simple. Leaves linear. Obs. 3728.

O. luteum. L. sp. 439; succ. n. 285. In shady

kitchen gardens.—Retz. scand. n. 399. In Nor-

way, Sweden, and Denmark, in groves and culti-

vated ground.—Gouan hort. 171, near Montpellier;

monsp. 309. Gort. belg. n. 296. Reich. moeno-

franc. n. 221. Roth germ. i. 150; ii. 393 β

Willd. berol. n. 376. Krock. n. 521. In woods,

meadows, and gardens.—Roth. germ. i. 150,

hedges, orchards, cultivated ground, and corn-

fields; ii. 393. Huds. 143. Near Kendal, and

found by Tosfield near Doncaster.—Bot. arrang.

347. Found by Wood in Malham Cove, and by

Mr. Whately in a meadow near Derby.—Walc.

t. Silth. ox. n. 334. Smith engl. t. 21; brit.

362. Raii hist. 1153. In Piedmont and Ger-

many; europ. 194, in Switzerland; syn. 372.

Found by Johnson in Yorkshire and Lawson in

Westmorland.—Lightf. 180, in Northumberland.

—Tourn. paris. 511. Boerh. ii. 142. Teesdale

in linn. trans. ii. 107. Near Stitnam in the North

Riding of Yorkshire.—Park. parad. 140. t. 137.

f. 7. Dalech. 1583, repr. in

Bulbus sylvestris Fuchsii et Dodonaei. Dalech.

1502, cop. from

Bulbus sive Cepa sylvestris. Fuchs. 173, which cop.

in

Bulbus sylvestris Fuchsii flore luteo, sive O. luteum.

Bauh. J. ii. 623.

O. scapo diphylo, pedunculis simplicibus termina-

tricibus, filamentis omnibus subulatis, Royen 31.

Cuett. i. 132, who says it is sometimes bulbiferous.



*Hyperoglossa. Renalm.* 91. t. 90; in sandy corn-fields.

*Bulbus agrestis. Trag.* 737. in sandy corn-fields.

*Ornithogalon luteum. Lob. adv.* 56. No fig. In shady places in Somersetshire;—*obs.* 72, repr. in *ic.* i. 149.

*Bulbus sylvestris. Dod.* 222.

*O. luteum, sive Cepa agraria. Ger. by Johns.* 165, 8.

*O. pallido flore. Clus.* i. 188, which cop. in *Bauh. J.* ii. 624.

*Stem*  $1\frac{1}{2}$  to 3 inches long, with from 2 to 10 flowers, leafless and attenuate below, glabrous and pubescent. *Radical leaves* 2, glabrous. *Floral leaves* 4 to many, lanceolate, attenuate upwards, glabrous and pubescent, 4 times as broad as the radical leaves. *Peduncles* villose. *Petals* lanceolate, acute, villose on the keel. *Obs.* 3728.

*Native* of Europe from Italy to Norway, of Northumberland, Westmorland, Yorkshire, Derbyshire, Oxfordshire, and according to Lobel of Somersetshire.

*latifolium.* *Peduncles* simple. *Radical leaf* lanceolato-linear, broader than the floral leaves. *Obs.* 8644. Specimen from Dr. Heise.

*Radical leaf* trinervose, mucronate at the end,  $6\frac{1}{2}$  inches long,  $3\frac{1}{4}$  tenths of an inch broad; petioles half as long as the laminæ, or very short, canaliculate. *Floral leaves* 3, pubescent at the margin, the lowermost  $3$  tenths of an inch broad. *Stem* 5 to 6 inches long, with from 2 to 6 flowers. *Petals* acute, in other plants rounded at the end. *Obs.* 8644.

*ramosum.* *Peduncles* branched. *From authors.*

*O. minimum. L. sp.* 440; *succ. n.* 286. In kitchen gardens, particularly in those of Upland, mixed



with  $\alpha$ , but not every where, this being more rare.

—*Retz. scand.* n. 400. In Norway, Sweden, and Denmark in groves and cultivated ground.—

*Schreb. lips.* 35. *Roth. germ.* i. 150; ii. 394; pars ii. 580. *Willd. berol.* n. 377. *Reich. moenofranc.* n. 222. *Gouan hort.* 172, corn-fields near

Montpelier; *monsp.* 309. *Mill. Ph. dict.* n. 5. Flowers purplish green on the outside.—*Hort.*

*kew.* i. 440, but it is marked as never having flowered.—*Gort. belg.* n. 297. *Krock.* n. 522,

who describes it as mostly cespitose, and the stem as terete.

*O. pannonicum luteo flore.* *Clus. pann.* 190, repr. in *hist.* i. 189, &

*O. luteum parvum.* *Ger. by Johns.* 166, *O. minus.* *L. mant.* 364, where it is observed that

this species is not found in several provinces where *O. luteum* is common. & cop. in

*O. luteum minus.* *Bauh. J.* ii. 624. *Boerh.* ii. 142.

**THOÏTE.** *Renealm.* 92, from *Clusius*.

Native of Scandinavia, Holland, Germany, and the south of France.

♂ *bulbiferum.* Bulbiferous at the base of the peduncles. From *L. a Reich.* ii. 54 β

*O. angustifolium campestre luteum minimum bulbiferum.* *Col. exphr.* i. t. 523. Peduncles of the

inner fig. simple, bracteate, those of the outer dichotomous and with a bractea at the dichotomy.

326. **SCILLA.**

*Corolla* with 6 petals, or sexpartite, deciduous. *Filaments* threadshaped. *Obs.* 386. *L.*

1. *SCILLA maritima*. Flowers appearing without the leaves. Bracteae refracted. *L. sp.* 442. *H. K.* i. 443. *Woodv.* 322. *t.* 118, the root, and leaf uncoloured.

*S. hispanica*. *Clus. hisp.* 290, repr. in *hist.* i. 171.

*S. sive Cepa marina hispanica*. *Lob. obs.* 75; *ic.* i. 151, &

*S. hispanica vulgaris*. *Ger. by Johns.* 171, imit. in *S. alba, sive Hyacinthus marinus*. *Park. parad. t.* 131. *f.* 9, & repr. in

*Scilla*. *Dod.* 679, 690. *Fuchs.* 742, cop. in *Trag.* 908, &

*S. ruffa magna vulgaris*. *Bauh. J.* ii. 615.

*SCILLA*. Squill. The root. *Pharm. lond.*—*Alst.* i. 512. *Bang in act. haun.* i. 15 to 17. 239. *Bavegem, account from in med. rev.* i. 576. *Berg.* 265. *Bisset ess.* 182. *Blane* 5. *Bree* 285. *Cartheus.* ii. 234. *Chalm.* ii. 74. 94. *Clark, J. fev.* 256. *Cull.* ii. 460. 479. 556. *Dale* 245. *For-dyce, G. pract.* 225. 235; *W. fragm.* 45. 47. 51. *Geoffr. suite* ii. 411. *Heberd.* 6. 61. 190. *Herm.* 67. *Hill* 648. *Home, F. clin.* 357. *Hufeland, account from in med. rev.* ii. 459. *Hunter jam.* 215. *Lew.* ii. 351. *Mead mon.* i. 117; ii. 14. 17. 18. *Mill. Jos.* 402. *Monro* iii. 252; *sold.* i. 258. 370. *Murr.* v. 91. *J.* i. 330; ii. 10. 56. 87. *Ploucq. bibl.* i. 11. 661. 666. 674. *Pringle* 143. 164. *Quarin. animad.* 12. 36. 42. 45. 47. 91. 110. 111. 115. 133. 138. 141. 163 to 168. 172. 173. 175 to 178. 192; *febr.* 40. 89. 125. 150. 183. 239. 283. 284. 285. 288. 319. 334. 335. *Renaudot account from in med. journ.* iv. 152. *Rutty* 471. *Stoll med.* ii. 283. 330; iii. 23. 402. 152. 311. *Thomanis, account from in chir. rev.* x. 309. *Un-*

*derw.* i. 280, 332. *Vanasbroeck*, account from in *med. rev.* i. 587. *Vog.* 212. *Wintringh.* in *Mead mon.* ii. 193; i. 179, 204, 241.

*S. maritima.* The root. *Pharm. edin.*—*Lew. disp.* by *Dunc.* 303. *Murr. J.* i. 240, 299; ii. 64. *Pearson, R.* i. 153, 177, 231.

*Squilla.* *Pharm. austriaco-prov.* 69.—*Bang* in *act. haun.* i. 298, 299, *Callisen ib.* 72, 73. *Linn.* 109. *Ploucq. bibl.* i. 371, 486. *Spielm.* 228. *Stoll, med.* iii. 416, 504.

*Squill.* *Alibert and Dumeril*, account from in *phys. journ.* ii. 468; iii. 168; and *chir. rev.* vi. 485. *Baylies* in *med. pap.* 47. *Blane* 507. *Brce*, 257, 258, 284, and account from in *chir. rev.* v. 30. *Brera*, account from in *phys. journ.* i. 71. *Chalm.* ii. 14, 108, 114, 115. *Cull. pract. n.* 373, 1066. *Cheyne*, account from in *med. rev.* viii. 190. *Chiarenti*, account from in *phys. journ.* ii. 467, and *chir. rev.* iv. 566. *Darw.* ii. 108, 111, 718, 743, 744. *Ferriar* i. 69. *Fordyce G.* *sev.* i. 201; v. 92. *Hull phlegm.* 219. *Monro, Alex.* account from in *chir. rev.* iv. 361; *Don. sold.* ii. 33, 135, 275, 287. *Pringle* 144, 166. *Reid T. phthis.* 156. *Trotter*, account from in *chir. rev.* x. 284. *Underw.* i. 110, 316. *Willan lond.* 65.

*Scille.* *Chom.* 341.

$\alpha$  *rubra.*—Root red. *L.*—*H. K.*

$\beta$  *alba.*—Root white. *L.*—*H. K.*

2. *SCILLA nutans.* Bracteae in pairs, subulate. Racemus nodding. Corolla cylindrico-campanulate; segments linear, revolute at the end. *Obs.* 3732. In a lane. 9 June 1796.—*Smith engl. t.* 377. Corolla too pale. Published 1 Jan. 1797;—*brit.* 366.



*Hyacinthus non-scriptus.* *L. sp.* 453. *Huds.* 141.  
*Bot. arrang.* 356. *Curt. lond.* ii. 18. t. 139. *Walc.*  
*t. Dod.* 216, repr. in

*Hyacinthus anglicus et belgicus.* *Lob. ic.* i. 103;  
*obs.* 53, &

*Hyacinthus hispanicus.* *Clus. hist.* i. 177, (where  
for hispanicus we ought to read non scriptus Do-  
donaei,) & cop. in

*Hyacinthus anglicus, sive belgicus.* *Bauh. J.* ii.  
585, &

*Hyacinthus Dioscoridis.* *Dalech.* 1507, & repr. in

*Hyacinthus anglicus.* *Ger. by Johns.* 111. *Lob.*  
*adv.* 48. No fig.—*Park. parad. t.* 125. f. 5.  
*Raii hist.* 1159: *syn.* 373.

*Petals* distinct on the outside, united on the inside  
by the intervention of the filaments. *Obs.* 3732.

*HYACINTHUS anglicus.* *Rutty* 239.

*Hyacinthus.* *Dale* 244. *Mill. Jos.* 235.

### 327. ASPHODELUS.

*Corolla* sexpartite, withering. *Stamina* inserted into  
the base of the corolla. *Filaments* glandular at  
the base. *Germen* covered by the connivent glan-  
dular bases of the filaments. *Obs.* 8111. *L.*

1. *ASPHODELUS luteus.* Stem leafy. Leaves tri-  
quetrous, striate. *L. sp.* 443. *Hort. kew.* i. 446.  
*Jacq. hort. t.* 77. *Dod.* 208, repr. in *Ger. by*  
*Johns.* 94, and cop. in *Dalech.* 1590. *Bauh. J.*  
ii. 632. *Raii hist.* 1194; *europ.* 70. On an is-  
land near Cape Passero and elsewhere in Sicily.

*A. luteus et flore et radice.* *Boerh.* ii. 110.



*A. luteus minor.* *Lob. ic. i. 91, repr. in Ger. by Johns. 95, & cop. in Dalech. 1590.*

*A. luteus minor, sive Hastula regia.* *Park. parad. 147. t. 149. f. 3.*

*Stems* erect, from 2½ to 4 feet long, leafy, rigid, brittle. *Leaves* glaucous with green striae, attenuate; petioles vaginant, membranaceous at the margin. *Racemus* compound, erect. *Branches* short, with about 3 flowers. *Flowers* expanding in succession, 4 or more in flower at once. *Pedicles* with an articulation a little below the middle. *Corolla* withering, yellow with a green line along each segment, segments horizontal, the 3 inner somewhat broader than the 3 outer. *Stamina* declinate, those inserted into the 3 inner segments of the corolla twice as long as the other 3, nearly as long as the corolla. *Antherae* of the 3 outer filaments oval, those of the 3 inner filaments oblong, twice as long as those of the outer. *Germen* roundish, trilocular. *Obs.* 8111. In a garden.

*ASPHODELUS* *versus luteus.* *Dale 248. Mill. Jos. 61.*

2. *ASPHODELUS ramosus.* *Stem* naked. *Leaves* triquetrous, smooth. *Obs.* 6663. In Miss Wood's garden. June, July.—*L. sp. 444. Scop. carn. n. 412. Gouan hort. 175. About Montpellier; monsp. 40. Host 191. Hort. kew. i. 446. Ger. by Johns. 93, repr. from*

*A. 1. Clus. hist. i. 196, & cop. in*

*A. major albus ramosus.* *Park. parad. t. 149. f. 1, &*

*A. major, flore albo ramosus.* *Bauh. J. ii. 625. f. 2, Raii hist. 1191; europ. 70. About Messina and Montpellier.*

**MONOGYNIA. 328. Xanthorrhoea. 251**

**A. albus ramosus mas.** *Boerh. ii. 110.*

**A. albus, sive Hastula regia.** *Lob. adv. 45. No fig. Magn. monsp. 31.*

*Leaves 3 feet 7 inches long, solid, the sides 3 tenths of an inch broad, slightly concave. Corolla white, withering. Stamina subulate, pubescent at the margin, permanent. Obs. 6663.*

**ASPHODELUS** *verus albus. Dale 248. Mill. Jos. 60.*

**Asphodelus.** *Linn. 110. Murr. v. 140. Vag. 232.*

**A.**

**328. XANTHORRHOEA.**

*Corolla inferior, hexapetalous, permanent. Filaments flat, linear, naked. Capsule triquetrous. Seeds 2 in a cell, compressed, bordered. Smith in linn. trans. iv. 219.*

**I. XANTHORRHOEA hastilis.**

**X. hostile.** *Coyte ind. i. 429.*

**Yellow-Resin-tree.** *White voy. 179.*

**A plant which yielded a yellow gum.** *Hawkesw. iv. 55.*

**A plant which yields a resin of a bright yellow.** *Hawkesw. iv. 196.*

**ACOROIDES resinifera.** *Chamberlaine in phys. journ. iv. 429. Kite in med. soc. iv. 24.*

**Resina lutea novi belgii.** *Murr. vi. 229.*

**Yellow resin from Botany bay.** *Med. comment. xiv. 404.*

## 329. LEONTICE.

*Petals* 6. *Nectarium* hexaphyllous, inserted into the unguis of the petals; limb patent. *Calyx* hexaphyllous, deciduous. *L.*

1. LEONTICE *Chrysogonum*. Leaves pinnate; folioles verticillate, tricuspidate. From *L. sp.* 447. *Chrysogonum* Dioscoridis. *Dalech. app.* 28, *cop. in* *Chrysogonum* Dioscoridis quibusdam. *Bauh. J.* iii. 876. *Chrysogonum*. *Park. theatr.* 683. *Raii hist.* 1326. *CHRYSOGONUM. Dale* 267.

## 330. ASPARAGUS.

*Corolla* inferior, sexpartite. *Stamina* inserted into the corolla. *Stigmata* 3. *Berry* with 3 cells. *Seeds* 2 and 1 in each cell. *Obs.* 3061\*.—*L.*

1. ASPARAGUS *officinalis*. Stem herbaceous, terete, mostly erect. Leaves setaceous. *Stipulae* solitary. *Obs.* 3061. In a garden.—*L. sp.* 448. *Smith engl. t.* 339; *brit.* 369. *Pollich n.* 336. In meadows near salt springs, and pastures on the banks of the Rhine.—*Host* 193. *Fl. dan. t.* 805. *Roth germ. i.* 423; *ii.* 531. *Native* of Spain, France, Carniola, Stiria, Austria, Hungary, the banks of the Danube and Rhine, Holland, and of the sea coast of England in Essex, Kent, Dorsetshire, Cornwall, Gloucestershire and Anglesea. There are probably 2 species, the one growing near

the sea which I apprehend is our English one, that having been observed only in maritime situations; and the other found in situations remote from salt water, perhaps the *A. officinalis* and *maritimus* of Miller; and the *tenuifolius* of Lamarck may be a third, Miller assuring us that what he received from the Paris garden was different from the 2 former.

■ *maritimus*. (Variation.) *L. sp.* 448. *Smith brit.*

370 β—Leaves thicker than those of β. Young shoots bitter. *From Magn.*

*A. officinalis.* *Huds.* 145, on Portland island.

*Bot. arrang.* 352. In salt marshes below King's Weston near Bristol.

*A. maritimus.* *Mill. Ph. dict. n.* 2, who received seeds of it from Portland island. Grows plentifully at Gibraltar and Minorca.

*A. marinus.* *Clus. hisp.* 462. No fig. Differs from γ as follows. Stem shorter and firmer; leaves thicker and firmer, glaucous; berries longer and not of so bright a red;—*hist.* ii. 179, (with a fig. repr. from Dodonaeus's representation of γ.)—*Magn. monsp.* 30, who found it growing at Aigues-mortes near Montpellier nearly in the same situations as β;—*hort.* 24. *Bauh. J.* iii. 726. No fig.—*Raii europ.* 69. In marshes near a pool of salt water near Montpellier.

*A. maritimus, crassiore folio.* *Dill. ap. Raii syn.* 267. Found by Llwyd on sandy banks on the sea side between Llangwyfan and Llanfaelog Anglesea, and by Newton below Look's Folly two miles from Bristol.

β *tenuifolius.*—*L. sp.* 448 β—Leaves slenderer than those of α. Young shoots sweet. *From*

*A. sylvestris tenuissimo folio.* *Magn. monsp.* 30; *hort.* 24. *Tourn. paris.* 56, who observes that



cultivated in the Paris garden close to  $\gamma$  it was not at all changed, retaining its slenderer shape.—*Boerh.* ii. 65. Native of Holland.

*A. officinalis.* *L. suec. n.* 291.

*A. caule herbaceo erecto, foliis setaceis, stipulis paribus.* *Browne* 196. Grows without any sort of care and in great perfection on the sand hills near Catwick in Holland.

*Asparagus*, the wild sort. *Mill. Ph. dict. n.* 1. In the fens of Lincolnshire. When cultivated did not produce shoots more than half the size of those of  $\gamma$  growing on the same ground.

*Asparagus.* *Raii hist.* 683. In meadows on the banks of the Rhine and Danube, and at the Lizard point Cornwall;—*syn.* 267. Found near Gravesend by James Sherard.

*A. silvestris* Matthioli. *Dalech.* 610.

*ASPARAGUS sylvestris.* *Dale* 173. *Geoffr.* iii. 139.

*A. sylvestris*, tenuissimo folio. *Chom.* 215.

$\gamma$  *altilis.* *L. sp.* 448.—*Mill. Ph. dict. n.* 1. Garden *Asparagus*.

*A. sativa.* *Vaill. paris.* 16. In the meadows of Palaiseau.—He observes that this and the 2 preceeding varieties cultivated time immemorial have retained their characteristic differences.—*Boerh.* ii. 65. *Dalech.* 610. *Ger. by Johns.* 1110, repr. from

*A. hortensis.* *Magn. hort.* 24. *Dod.* 691, which repr. in

*A. maritimus* Dioscoridis. *Lob. ic.* i. 786, (the name belonging to  $\alpha$ )

*A. marinus.* *Clus. hist.* ii. 179, (the name belonging to  $\alpha$ ) & cop. in

*A. marinus* crassis foliis. *Park. theatr.* 454, (the name belonging to *a.*)

*Asparagus.* *Cam. epit.* 259. *Park. parad.* 503. *t.* 501. *f.* 6. *Fuchs.* 57. *c.* 17, *cop. in Trag.* 222, &

*A. hortensis* et *pratensis.* *Bauh. J.* iii. 726.

*Flowers* dioicous. *Peduncles* filiform, articulated; the articulation thicker than the peduncle, acute, a little above the middle of the peduncle. *Berries* with from 1 to 5 seeds. *Obs.* 3061.

*ASPARAGUS.* *Pharm. austriaco-prov.* 20.—*Alst.* i. 382. *Berg.* 266. *Dale* 173. *Darw.* ii. 79. 704. *Herm.* 88. 324. *Krock. n.* 531. *Lew.* i. 180; *disp. by Rother.* 105. *Linn.* 110. *Mill.* *Jos.* 59. *Murr.* v. 179. *Quarin animad.* 66. *Rutty* 44. *Schoepf* 47. *Schrod.* 540. *Vog.* 232.

*A. sativus.* *Chom.* 215; *suppl.* 69. *Geoffr.* iii. 136.

*A. officinalis.* *Bryant* 52. *Pearson, R.* i. 49. 222.

2. *ASPARAGUS acutifolius.* Stem without prickles, angular, shrubby. Leaves needleshaped, stiffish, perennial, mucronate, equal. *L. sp.* 449; *a Murr.* 333. *Hort. kew.* i. 452. *Gouan hort.* 176. On the borders of fields near Montpellier.

*A. Corruda.* *Scop. carn. n.* 417.

*A. acutus.* *Magn. monsp.* 31.

*A. foliis acutis.* *Magn. hort.* 24.

*A. petraeus*, sive *Corruda.* *Raii hist.* 683; *europ.* 69. In hedges and thickets in Italy, and in the hedges of vineyards about Montpellier.

*Corruda prior.* *Clus. hisp.* 458, *repr. in hist.* ii. 177.

*A. petraeus.* *Ger. by Johns.* 1110,

*A. sylvestris*, foliis acutis. *Park. theat.* 454. A branch.

Corruda, differens ab altissimi asparago. *Lob. adv.* 353, repr. in *ic.* i. 787 & cop. in

Corruda Pennae. *Dalech.* 611.

Corruda. *Bauh. J.* iii. 726.

*Branches* obsoletely striate, pubescent, whitish brown. *Leaves* fasciculate,  $1\frac{1}{2}$  tenth of an inch long, twice as short as the internodia of the penultimate branches, and longer than the internodia of the ultimate branches. *Obs.* 7934. Specimen gathered by Mr. Boraston near Florence.

*ASPARAGUS acutifolius.* *Spielm.* 43.

*A. petraea*, Corruda. *Dale* 173.

3. *ASPARAGUS terminalis.* Without prickles.

*Leaves* alternate, lanceolate, petiolate. *Racemus* terminal, compound. *L. sp.* 450.

*Dracaena terminalis.* *L. a Murr.* 334. *Salisb. R. allert.* 353. *Forst. G. escul.* 62. *Jacq. ic.* ii. t. 448.

*Dracaena ferrea.* *Hort. kew.* i. 454.

*Leaves* oblongo-lanceolate, mucronate, glabrous, purple. *Bracteae* triangular, acute, 3 together, patulous, shorter than the pedicles. *Corolla* obconic; segments oblongo-lanceolate, the 3 outer with margins distinct to the very base. *Filaments* subulate, not thicker in the middle, white, inserted into the corolla, three inserted into the 3 inner segments, the 3 others alternating with them. *Obs.* 6932. Specimen from Mr. Hunter's nursery.—*Bracteae* nearly as long as the pedicles. *Obs.* 6933. Specimen gathered in the garden of Fothergill.

2 *alba*. Leaves four fingers breadth wide, glaucous on the upper side, of a mixture of purple and green underneath. From

**TERMINALIS** *alba*. Rumph. iv. 79. t. 34. f. 1.

3 *purpurea*. Leaves 3 inches broad, purple. Obs. 6933. Specimen gathered in Fothergill's garden.

*Dracaena terminalis purpurea*. Forst. G. escul. 63.

**TERMINALIS** *rubra*. Rumph. iv. 80. t. 84. f. 2.

7 *angustifolia*. Leaves 2 fingers breadth wide. From **TERMINALIS** *angustifolia*. Rumph. iv. 81. t. 35.

4. **ASPARAGUS** *albus*. Prickles solitary. Branches angular, flexuose. Leaves fasciculate, triquetrous, not pungent, deciduous. L. sp. 449; a Murr. 333. Hort. kew. i. 452.

*A. aculeatus spinis horridus*. Boerh. ii. 65.

*Corruda tertia*. Clus. hisp. 461, repr. in hist. ii. 178, (where misprinted Corduba) Léb. ic. i. 788, &

*A. sylvestris tertius*. Dod. 692, cop. in

*A. spinosus*, sive *Corruda spinis horrida*. Park. theat. 455, & repr. in

*A. sylvestris spinosus Clusii*. Ger. by Johns. 1111. Raii hist. 681. On the sea coast of Sicily.

*A. sylvestris aculeatus*. Raii europ. 69.

*Peduncles* articulated, the articulation at about one third of its length above the base. Obs. 7933. Specimen gathered by Mr. Boraston at Gibraltar.

**PRICKLY ROCK ASPARAGUS**, Clegh. 24.



5. *ASPARAGUS sarmentosus*. Leaves solitary, linear-lanceolate. Stem flexuose; aculei recurvate. *L. sp.* 450. *Hort. kew.* i. 453.

*A. aculeatus maximus sarmentosus zeylanicus. Raii hist.* 1877.

*A. aculeatus zeylanicus maximus sarmentosus. Herm. hort.* 62. t. 650.

*SCHADA VELI-KELANGU. Rheede x.* 19. t. 10.

### 331. DRACAENA.

*Corolla* inferior, sexpartite; segments erect. *Filaments* thicker in the middle. *Berry* with 3 cells. *Seeds* 1 to 3 in each cell. *From L. & Juss.* 40.

1. *DRACAENA resinifera*.—Arboreous. Leaves somewhat fleshy, spinose at the end. *L.—Salisb. R. allert.* 253.

*D. Draco. L.—Hort. kew.* i. 453. *Solander and Masson* in manuscript floras of Madeira in the library of Sir Jos. Banks. In Madeira.

*Palma Draco. Mill. Ph. dict. n.* 11, who received a plant of it from the Cape de Verd islands, and seeds of it from Madeira.

*Palma prunifera, foliis yuccae, fructu in racemis congestis cerasiformi duro cinereo pisi magnitudine. Sloane cat.* 179. In hedges near Funchall in Madeira.

*Draco. Clus. hist.* i. 1, a single plant on a hill near Lisbon, repr. from

*Draco arbor. Clus. hisp.* 12, which repr. in *Lob. ic.* ii. 235, and *Ger. by Johns.* 1523, and cop. in *Bauh. J. i. a.* 402, and *Dalech.* 1847, with the

MONOGYNIA. 332. Dianella. 259

addition of another leaf.—*Park. theatr.* 1531. In Madeira, the Canaries, and Brasil.

*Native of Madeira, the Canaries, Cape de Verd islands, and Brasil.*

**SANGUIS DRACONIS.** *Cartheus.* iv. 293.

*Geoffr.* ii. 559. *Murr.* v. 302. *Spielm.* 429.

*Draco arbor.* *Dale* 272.

2. **DRACAENA indivisa.** Arboreous. Leaves ensiform; acute. Racemus lateral, compound. *Forst. G. escul.* 64; *austral. n.* 150, where he expresses a doubt respecting the accuracy of the epithet lateral.

332. DIANELLA.

*Corolla* inferior, hexapetalous. *Filaments* inserted into the receptacle; tumid at the end. *Berry* with 3 cells. *Seeds* 2 to 5 in each cell. *Obs.* 6931. *Juss.* 41 from Commerson and Lamarck.

1. **DIANELLA nemorosa.** *L. a Willd.* ii. 158. *Salisb. R. allert.* 254. *Lamarck:*

*Dracaena ensifolia.* *L. mant.* 63. *Hort. kew.* i. 454.

*Gladiolus odoratus indicus.* *Rumph.* v. 185. t. 73.

*Stems* tough: *Leaves* lanceolate, glabrous above and underneath, minutely aculeate at the margin.

*Petioles* compressed, contrary to the stem. *Berries* violet-coloured. *Seeds* black, shining, slightly com-

pressed; margin with 3 angles on one side. *Obs.* 6931. Specimen in fruit and flower in Mr. Sitwell's garden.

**DRACAENA ensifolia.** *Lour.* i. 243.

## 333. SANSEVERA.

*Corolla* inferior, tube filiform; limb sexpartite.  
*Berry* monospermous. *From Thunb. cap. p. xii,*  
*& L. a Willd.*

1. *SANSEVERA lanuginosa*.—Leaves nervose, the lower oblong, the rest linear; ribs lanuginose. Style as long as the stamina. *Willd.*  
*Sanseviera lanuginosa. L. a Willd. ii. 160, from KATU-KAPEL, seu Cadenaco. Rheede xi. 83. t. 42.*

## 334. CONVALLARIA.

*Corolla* inferior, with 6 divisions. *Berry* with 3 cells. *Obs. 3741. L.*

1. *Corolla campanulate. L.*

1. *CONVALLARIA maialis*. Scapus triquetrous. Leaves elliptic. *Obs. 3741. In a garden.—L. suec. n. 292; sp. 451. Bot. arrang. 353. Curt. lond. v. 24. t. 302; mat. med. t. 17. Mill. Ph. dict. n. 1. Woburn Bedfordshire.—Abbot 76. t. 2. Fl. dan. t. 854. Smith brit. 370; engl. t. 1035.*  
*C. scapo nudo. L. lapp. n. 112.*  
*LILIUM convallium. Pharm. austriaco-prov. 46. succ.—Alst. ii. 165. Berg. 269. Cartheus. iv. 224. Dale 169. Geoffr. iii. 725. Herm. 593. Krock. n. 532. Lew. ii. 65; disp. by Rother. 168. Linn. 110. Mill. Jps. 269. Monro iii. 158.*

*Murr.* v. 260. *Rutty* 288. *Spielm.* 276. *Vog.* 147. 266.

*Convallaria*. *Ploucq. bibl.* i. 413.

*Lilium convallium album*. *Chom.* 357. 147; *suppl.* 110.

Lilly of the valley. *Riedlinus* quoted by *Hevin* in *acad. surg.* 373.

\* *latifolia*. (Variation.) Leaves to 2½ inches broad. *Obs.* 6324. In a garden. 31 June.

*C. maialis*. *Abbot* 76. t. 2.

*Lilium convallium*. *Cam. epit.* 618. *Raii syn.* 264.

On Hampsted heath near London, and in shady places on the side of Ingleborough hill Yorkshire, and other places in the north.—*Dod.* 205. *repr.* in *Ger. by Johns.* 410, who found it on Hampsted heath, near Lee in Essex, and on Bushie heath;—& in

*Lilium convallium*, vel vernum *Theophrasti*. *Lob.* ic. i. 172.

*Lamium* III. *Clus. pann.* 596. (The name an error of the press.)

*Ephemerum non letale*. *Fuchs.* 241, c. 89, *cop. in*

*Lilium convallium vulgo*. *Bauh. J.* iii. 531.

*Lilium convallium album*. *Tourn. paris.* 485.

*Vaill. paris.* 116. *Garid.* 285. t. 64. Corolla thrice as large as usual.

Berries scarlet, with from 1 to 7 seeds; pulp scarlet; dissepiments obliterated. Seeds roundish, angular, whitish. *Obs.* 6028. In a garden.

\* *angustifolia*. (Variation.) Leaves about an inch broad. *Obs.* 6310. Monsal dale Derbyshire, on limestone. 21 June.

*Lilium convallium angustifolium*. *Vaill. paris.*

117, with *a*—*Raii syn.* 264. Found by Lawson



at Waterfall bridge, near Levens and other places in Westmorland and sent to Ray. Richardson found that on being cultivated it acquired the usual size.

*Leaves* 1 inch 1 tenth to 1 inch 7 tenths broad, and from 4 to 6½ inches long. *Obs.* 5310.

2. *CONVALLARIA graminifolia*. Scapus angular, Leaves linear, twice and thrice as long as the scapus. *Obs.* 7681. Specimen gathered in Mr. Knowlton's garden.

*C. japonica*. *L. fil. suppl.* 904. *Hort. kew.* i. 455. *Thunb. jap.* 139 β; *trav.* iii. 85.

Scapus compressed, rather perhaps tetragonous, *Obs.* 7681.—*Leaves* bordered at the base by a membranaceous stipula on each side. Scapus triquetrous; sides with a slightly prominent angle. *Obs.* 7926. Specimen from the same root.

*MONDO*. *Kacmpf. amoen.* 823. t. 824.

3. *CONVALLARIA multiflora*. Leaves alternate, amplexicaul, ovali-elliptic. Stem terete. Corymbi axillary, with from 2 to 5 flowers. *Obs.* 5742. In a garden.—*L. succ. n.* 295; *sp.* 452. *Wale. t. Bot. arrang.* 355. *Smith engl. t.* 279; *brit.* 372. *Scop. carn. n.* 421. *Fl. dan. t.* 152. In woods in Norway.—*Krack. n.* 535.

*C. Polygonatum*. *Mill. Ph. dict. n.* 5.

*C. Polygonatum maximum*. *L. phil.* 218.

*Sigillum Salomonis latifolium*. *Trag.* 399, *repr. in*

*Polygonatum*. *Cord. hist. fol.* 113. p. 2. *Raii syn.*

263. Observed by Horsnell in many places in Berkshire; by Doody near Bramdean Hampshire; and James Sherard on Roe hill Kent.—*Dod.* 343,

MONOGYNIA. 334. *Convallaria*.: 263

*repr. in Lob. obs. 361; ic. i. 637, Ger. by Johns. 903, &*

*Polygonatum latifolium* I. *Clus. hist. i. 274, and cop. in*

*Polygonatum majus; flore majore. Park. theatr. 696. n. 3. inner fig.*

*Polygonatum vulgatus. Cam. epit. 693.*

*Polygonatum majus. Dalech. 1623.*

*Polygonatum latifolium. Fuchs. 560. c. 224, cop. in*

*Polygonatum, vulgo Sigillum Salomonis. Bauh. J. iii. 529.*

*Polygonatum latifolium, vulgare. Tourn. paris. 126. 518. Common in woods.—Vaill. paris. 161.*

*In all the woods about Paris.—Boerh. ii. 63.*

*Stem 20 inches long. Obs. 3742.*

*Native of France, Germany, Sweden, Kent, Surry, Hampshire, Wiltshire, Somersetshire, Buckinghamshire, Bedfordshire, Suffolk, Norfolk, Yorkshire and Westmorland, chiefly I apprehend in champain situations.*

*POLYGONATUM. Alst. i. 495. Chom. 76; suppl. 164. Dale 169. Geoffr. suite ii. 35. Mill. Jos. 353. Rutt. 403.*

*Sigillum Salomonis. Lew. ii. 367. Vog. 242.*

*Polygonatum latifolium vulgare. Chom. 581; suppl. 164.*

4. *CONVALLARIA angulosa.* Leaves alternate, semiamplexicaul. Stem angular. Peduncles axillary, with from 1 to 2 flowers. *Obs. 8082. In Mr. Knowlton's garden.*

*C. Polygonatum. L. succ. n. 294; sp. 451. Bot. arrang. 354. Smith engl. t. 280; brit. 371.*

Found by Mr. Wigg near Yarmouth.—*Scop. carn.* n. 420. *Woodo.* i. 123. t. 44. *Fl. dan.* t. 377. On rocks in woods. Peduncles uniflorous, solitary.

*C. odorata.* *Mill. Ph. dict.* n. 4, who says he had found it in two places in England.

*Polygonatum latifolium*, flore majore odore. *Tourn. paris. addit.* 1. Found by Gundelsheimer in the Bois de Boulogne.—*Vall. paris.* 162. In the Bois de Boulogne, and the forest of Fontainebleau.

*C. Polygonatum vulgare.* *L. phil.* 218.

*Polygonatum.* *Cam. epit.* 692.

*Polygonatum I*, flore odore. *Clus. pann.* 264, repr. in

*Polygonatum latifolium II.* *Clus. hist.* i. 276, & *Ger. by Johns.* 904, in Clapdale woods near Settle in Yorkshire; cop. in

*Polygonatum latifolium*, flore albo majore odore. *Barrel. t.* 711. f. 1, and the stem cop. in

*Polygonatum majus vulgare.* *Park. theatr.* 696, n. 1. outer fig.

*Polygonatum floribus ex singularibus pediculis.* *Bauh. J.* iii. 529. *Rati cat. ed.* i. 248. Specimen gathered by Willisel on Ingleborough in Yorkshire;—*cat. ed.* ii. 238. Shewn by Willisel growing on rocks near Wharf and Settle in Yorkshire;—*syn.* 263; *hist.* 665, on Mount Saleve near Geneva.

*Polygonatum angulosum.* *Cord. fol.* 113. p. 2. No fig.

*Stem* 14 inches long, slightly compressed, striate. *Leaves* distichous, secundose towards the upper side, erect, green on the upper side, glaucous on the under side. *Flowers*  $6\frac{1}{2}$  tenths of an inch long, pendulous. *Peduncles* from the third to the 6th leaf. *Obs.* 8082.

**SIGILLUM SALOMONIS.** *Berg.* 270. *Krock.* n. 534. *Lim.* 111. *Murr.* vi 263. *Schoepf* 47. *Spielm.* 466.

Convallaria. *Lew. disp. by Rother.* 148.

Polygonatum. *Hill* 654.

2. *Corolla rotate.* L.

5. **CONVALLARIA racemosa.** Racemus compound. *Obs.* 5857. Specimen gathered by Dr. Cutler in New England.—*L.—H. K.* i. 456.

*C. foliis amplexicaulibus plurimis, racemo terminali simplici.* *Cutl. in amer. acad.* i. 434.

Polygonatum racemosum. *Corn.* 36. t. 37, cop. in

Polygonatum ramosum et racemosum spicatum.

*Hist. ox. s.* 13. t. 4. f. 9.

Polygonatum racemosum americanum, ellebori albi foliis amplissimis. *Pluk. phyt.* t. 311. f. 2.

**CONVALLARIA racemosa.** *Schoepf* 47.

Solomon's-seal. *Clayton in phil. trans. abr. by Hutt.* viii. 333.

6. **CONVALLARIA cordifolia.** Leaves cordate. Stamina and segments of the corolla 4. *Obs.* 5858. Specimen gathered by Dr. Cutler in New England.

*C. bifolia.* *L. a Murr.* 335; sp. 452. *Hort. kew.* i. 456. *Scop. carn. n.* 422. *Host.* 195. *Gouan hort.* 177. Near Montpellier.—*Retz. obs.* i. n. 34. *Krock. n.* 536. *Fl. dan. t.* 291.

*C. foliis cordatis.* *L. lapp. n.* 113. *Cutl. in amer. acad.* i. 434.

*Smilax unifolia humillima.* *Tourn. paris.* 535. *Vaill. paris.* 188. *Boerh.* ii. 64.

Unifolium, sive Ophris unifolia. *Bauh. J.* iii. 534. Near Montbeliard.



*Gramen parnassi. Cam. epit. 744.*

*Unifolium. Trag. 485. The racemus not well done.*

—*Dalech. 1260. Dod. 205, cop. in*

*Monophyllum, sive Unifolium. Park. theatr. 505, & repr. in*

*Monophyllum. Ger. by Johns. 409. Raii hist. 668.*

*In the woods of the Low Countries and Germany.*

*Stem erect, 6 inches long, acutely flexuose above.*

*Leaves, radical leaf 1, petiolate; nearly as long as the stem; cauline leaves 2, at the end of the stem; the lower ovato-cordate, half as large as the radical leaf; the upper deltoideo-ovate, many times smaller than the lower. Petiole of the radical leaf somewhat longer than the lamina, that of the lower cauline leaf very short. Racemus oblong, 8 tenths of an inch long, erect. Flowers white. Corolla quadripartite; segments lanceolate recurvate. Stamina 3, inserted into the corolla. Obs. 8327. In Mr. Knowlton's garden, 24 June.—Stem 4 inches long, with 2 leaves. Leaves cordato-elliptic, nearly sessile or on short petioles, the upper somewhat smaller than the lower. Obs. 5858.*

*Native of France, Germany, Sweden, Lapland, and New England.*

*MONOPHYLLON. Dale 169.*

### 335. ALETRIS.

*Corolla inferior, infundibuliform. Stamina inserted into the corolla opposite to the base of the segments. Capsule trilocular. Obs. 2728. L.*

*1. ALETRIS farinosa. Stemless. Obs. 2728. Spe-*

cinea gathered by Dr. Cutler in New England.—

*L.—H. K. i. 463.*

*A. alta. Michaux i. 189.*

*Aletris. Gron. virg. 52. Cull. 435.*

*ALETRIS farinosa. Schoepf 48.*

*Ague-grass. Clayt. in phil. trans. abr. by Hutt. viii. 333.*

2. *ALETRIS cochinchinensis.* With a stem. Leaves lanceolato-linear, reflex. Flowers paniculate. *Lour. i. 253.*

### 336. YUCCA.

*Corolla* campanulate. *Style* none. *Capsule* sexlocular. *Obs. 8537. L.*

1. *YUCCA integerrima.*—Leaves entire at the margin. *L.*

*Y. gloriosa. L. sp. 456. Hort. kew. i. 463.*

*Yuca, sive Jucca. Park. parad. 434. t. 435. f. 1.*

*Yuca nova gloriosae elata et opinata. Lob. adv. ii. 508.*

*Y. sive Jucca peruana. Ger. by Johns. 1543.*

*Y. indica, foliis aloes. Barrel. t. 1194.*

*Leaves* blackish rufous at the margin. *Obs. 7677.*

Specimen gathered in Fothergill's garden.

*YUCCA. Dale 250.*

*Y. gloriosa. Bryant 16. Schoepf 48.*

### 337. ALOE.

*Corolla* inferior; with 6 divisions, the bottom con-

taining a sweet juice. *Filaments* inserted into the receptacle. *Obs.* 7675. *L.*

1. *ALOE spicata*. Flowers in spikes, horizontal, campanulate. Cauline leaves flat, amplexicaul, dentate. *L. fil. suppl.* 205. *Thunb. aloe* 4; *cap.* 61.

*A. perfoliata* § *Linn. sp.* 458.

*A. succotrina angustifolia spinosa*, flore purpureo. *Breyn. prodr.* ii. *Comm. hort.* i. 91. *t.* 48.

*A. americana*, ananæ floribus suave rubentibus. *Pluk. alm.* 19; *phyt. t.* 240. *f.* 4. *Blackw. t.* 333.

*A. barbadensis* mitior laete virens et splendens. *Dill. hort.* 23. *t.* 19. *f.* 20. No fructifications.

*ALOE spicata*. *Murr. v.* 240.

2. *ALOE elongata*. Flowers in spikes, tubular and triquetrous, somewhat ringent, hanging down obliquely. Leaves aggregate, dentato-spinose. *Murr. opusc.* ii. 483; *in commentat. gotting.* ix. 191. *t.* 2. *f.* 1, plant reduced; *f.* 2, 3, 4, flowers.

(*A. vulgaris*. *Trew in commerc. norimb. pro ann.* 1744. *p.* 324. *n.* 9. *t.* 3. *f.* 18—21, is referred to by Murray, but the ends of the laciniae of the corolla not disposed in manner of a labiate flower as described by Murray, and more pointed.)

*ALOE elongata*. *Murr. v.* 240.

3. *ALOE linguiformis*. Corolla cylindric. Flowers racemose, erect. Leaves tongueshaped, denticulate, distichous, patulous. Stem very short.

*From*

*A. linguiformis*. *L. fil. suppl.* 206, &

*A. lingua*. *Hort. kew.* i. 469.

(*A. disticha* a *L. sp.* 459, is characterised as having pendulous flowers.)

*ALOE linguaeformis. Murr. v. 241.*

4. *ALOE perfoliata.* Corolla nearly cylindric. Flowers racemose and corymbose, cernuous. Cauline leaves dentate, amplexicaul, vaginant. *Obs.* 6988. Specimen gathered in the garden of Fothergill.—*Obs.* 6989. Specimen gathered in the Edinburgh garden; and from *L. a Murr.* 337. *Lour.* i. 252.

*A. succotrina. Haworth in linn. trans.* vii. 19.

*A. perfoliata vera* a *L. sp.* 458. *Regn. t.*

*A. perfoliata succotrina. Hort. kew.* i. 466  $\delta$ . *Curt. mag.* t. 472.

*A. vera. Mill. Ph. dict. n.* 15.

*A. perfoliata barbadensis. Hort. kew.* i. 466  $\gamma$

*A. Dioscoridis et aliorum. Sloane cat.* 115, in dry stony places in Jamaica and the other West India islands; *hist.* ii. 245.

*Aloe. Browne* 197. In Jamaica where it grows without care. Introduced from Bermudas.—*Fuchs.* 138. *fol. ed. cop. in* 143. c. 49, *Trag.* 932, and *Bauh. J.* iii. 696. No fructifications.—*Dod.* 355, *repr. in*

*A. Sempervivum marinum. Lob. obs.* 202; *ic.* i. 374; &

*A. vulgaris, sive Sempervivum marinum. Ger. by Johns.* 507; & *cop. in*

*A. vulgaris, Herbe Aloes, sive Sempervivum marinum. Park. theatr.* 149.

*A. succotrina. Blackw. t.* 333, may be the plant.

*A. vulgaris. Bauh. Casp. pin.* 386. *Hughes barb.* 153. *Munting aardgav. t.* 314. *Rail hist.*



1195; *europ.* 57. In Sicily and Malta on walls and roofs.

(Kadanaku sive Catevala. *Rheede* xi. 7. t. 3, is described as having leaves with pulp of a sweetish watery flavour, and Commelin in his annotation says that Aloes is unknown to the natives of Malabar.)

*Racemus* out of flower, straight, erect, 9 inches long. *Obs.* 6989.—*Racemus* after flowering decurved, 15 inches long. *Obs.* 6988.

Native of Asia and the isle of Andros according to Dioscorides iii. 25; of the Cape of Good Hope, according to Thunberg *trav.* i. 171; and of Madeira, at least Sir Jos. Banks informed me that *A. perfoliata* = *L. sp.* 458, is the plant cultivated in Barbadoes, and that the same plant he has seen growing wild in profusion in Madeira.

**JUICE OF SEMPREVIVE.** *Graing.* 23, 56. 65.

Juice of the Aloes. *Graing.* 27. 43.

Juice of Aloes. *Long* 707.

**ALOE** perfoliata. *Murr. J.* i. 272. *Pearson, R.* i. 184. 287.

**ALOE.** *Pharm. austriaco-prov.* 16.—*Aitken midw.* 131. 142. *Cull. pract. n.* 559. *Darw.* ii. 79. 154. 704. 705. 750. *Fordyce, W. fragm.* 50. *Heberd.* 87. 121. 202. 230. 240. 261. 335. 394. *Mead mon.* i. 93. *Ploucq. bibl.* i. 480. 599. 600. *Pott* ii. 72. *Quarin animad.* 11. 178. 200. 240. 260. 277. *Stoll med.* iii. 88. *Wintringh. in Mead mon.* ii. 198. 204. 252. 276.

**A. socotorina.** A gum resin. *Pharm. lond. edin.*—*Cull.* ii. 524. *Lew.* i. 52; *disp. by Dunc.* 133. *Mead mon.* ii. 108. 142. *Monro* ii. 418. *Rutty* 17.

*Murr. J. ii. 60. Thomson in med. ess. v. 76.*

*A. succotorina. Neum. ii. 37.*

*A. succotrina. Cartheus. ii. 451.*

*A. succotrina. Alst. ii. 421. Berg. 271. Dale 249. Herm. 689. Hill 772. Linn. 111. Mill.*

*Jos. 26. Murr. v. 248. Quarin animad. 242.*

*Vog. 329.*

*A. socotrina. Pharm. succ.*

*A. a Succotra. Spielm. 625.*

*A. praestantior, seu succotrina et lucida. Geoffr. ii. 649.*

*Succotorine Aloes. Underw. i. 57. 148.*

*A. succotrin. Chom. 47; suppl. 20.*

*Aloes. Chalm. i. 192. Cull. clin. 82. 97. 165.*

*Darw. ii. 203. 312. 395. 403. 460. 743. Decandole, account from in chir. rev. ix. 491. Denm.*

*i. 261. Fordyce G. fev. iii. 221; in trans. improv. ii. 332. Hufeland, account from in med.*

*rev. ii. 446. Hunter jam. 256. Murr. J. i. 288.*

*Pringle 150. Saunders liver 162. Underwood i. 54. 195. 343.*

*ALOE hepatica. A gum resin. Pharm. edin.—*

*Alst. ii. 422. Berg. 271. Cartheus. ii. 452.*

*Herm. 689. Lew. disp. by Dunc. 133. Linn.*

*111. Mill. Jos. 26. Monro ii. 419. Murr. v.*

*249. Neum. ii. 37. Ratty 16. Spielm. 626.*

*Vog. 329.*

*A. hépatique. Chom. 47; suppl. 20.*

*A. barbadensis. Pharm. lond.—Hill 772. Lew. i. 52. Monro ii. 419.*

*A. succotrina. Schoepf 48.*

*A. minus præstans, seu hepatica. Geoffr. ii. 651.*

*Aloe. Dale 248. Long 706.*

Hepatic Aloes. *Wright in med. journ.* viii. 219.

Succotrine Aloes. *Browne* 198.

Sundried Aloes. *Millington in med. journ.* viii. 425.

*ALOE* caballina. *Pharm. succ.—Alst.* ii. 422. *Berg.* 271. *Cartheus.* ii. 452. *Herm.* 689. *Lew.* i. 52; *disp. by Rother.* 89. *Linn.* 111. *Monro* ii. 419. *Murr.* v. 249. *Neum.* ii. 37. *Rutty* 16. *Spielm.* 626. *Vog.* 329.

*A. caballin.* *Chom.* 47.

*A. guineensis*, *caballina*, *vulgari similis*, *sed tota maculata.* *Dale* 249.

*A. foetida*, *vilior*, *et caballina dicta.* *Geoffr.* ii. 653.

Common Aloes. *Browne* 198. *Long* 708.

Aloes. *Millington in med. journ.* viii. 422.

### 338. AGAVE.

*Corolla superior*; segments erect. *Filaments erect*, as long as or longer than the corolla. *From L.*

1. *AGAVE americana.* Scapus branched. Leaves dentato-spinose. Stamina longer than the corolla. *From L. sp.* 461, and *a Willd.* ii. 192. *Hort. kew.* i. 471.

*Aloe foliis lanceolatis dentatis spina cartilaginea terminatis radicalibus.* *L. cliff.* 130. *Royen* 22.

*Aloe mucronato folio, americana, major.* *Munt. phyt.* 19. t. 91.

*Aloe americana.* *Clus. hisp.* 443, *repr. in hist.* ii. 160, *cop. in Park. theatr.* 150, and *Dalech.* 1697, & *repr. in*

*Aloe folio mucronato.* *Lob. obs.* 202; *ic.* i. 374; *Ger. by Johns.* 507;

MONOGYNIA. 339. Hemerocallis. 273

*Aloe ex America.* *Dod.* 355, & cop. with the addition of flowers in

*Aloe americana muricata.* *Bauh. J.* iii. 701.

*Sempervivum majus indicum.* *Rumph.* v. 271.

*Aloes americanæ caulis cum floribus et separatim flos et siliquæ seminum.* *Park. theatr.* 150.

*Stamens* inserted at the base of the segments of the corolla. *Obs.* 8580. Specimen gathered in the Schoenbrunn garden.

*AGAVE americana.* *Schoepf* 49.

*Agave.* *Browne* 199.

Great American Aloes. *Long* 710.

2. *AGAVE vivipara.* Scapus branched. Leaves dentate. Stamens as long as the corolla. *From L. sp.* 401; *a Willd.* ii. 193, and *Hort. kew.* i. 471.

*Aloe americana polygona.* *Comm. præd.* 65. t. 15.

(*Aloe americana sobolifera.* *Herm. hort.* 16. t. 17; has stamens longer than the corolla.)

*ALOE americana.* *Rumph.* v. 273. t. 94.

339. HEMEROCALLIS.

*Corolla* inferior, infundibuliform; limb sexpartite; segments incumbent; the 3 inner broader. *Stamens* and *style* declining. *Obs.* 3865. *L.*

1. *HEMEROCALLIS fulva.* Leaves linear. Inner petals obtuse undulate; outer ribs branched. *From L. a Willd.* ii. 197; *L. sp.* 462; *a Murr.* 339. *Hort. kew.* i. 473.

*Hemerocallis* *a L. ups.* 88.

vol. 2.

T.



*Liriosphodelus phoeniceus.* *Lob. ic. i. 93, repr. in*  
*Lilium non bulbosum phoeniceum.* *Ger. by Johns.*  
 98, & *cop. in*

*Lilium radice asphodeli phoeniceum, sive Lirioas-*  
*phodelus quibusdam.* *Bauh. J. ii. 701.*

*HEMEROCALLIS fulva.* *Lour. i. 254.*

### 340. ARISTOLOCHIA.

*Calyx* none. *Corolla* superior, globular at the base,  
 tubular above; limb oblique. *Filaments* none.  
*Antherae* beneath the teeth of the stigma, inserted  
 into a fleshy receptacle. *Stigma* with 6 teeth.  
*Capsule* with 6 cells. *Obs.* 2974. *L.*

1. *ARISTOLOCHIA trilobata.* Leaves trilobate.  
 Stem twining. Flowers very large. *L. sp.* 1361.  
*Hort. kew.* iii. 311.

*A. anguicida.* *Jacq. obs. 8. t. 3.*

*A. scandens, foliis sublobatis obtusis, floribus amplis-*  
*simis.* *Browne* 329.

*A. folio hederaceo trifido, maximo flore, radice re-*  
*pentem.* *Plum. sp.* 5.

*ARISTOLOCHIA trilobata.* *Berg.* 715. *Lew.*  
*disp. by Dunc.* 329. *Linn.* 234. *Murr.* i. 357.  
*Wright in med. journ.* viii. 226.

2. *ARISTOLOCHIA odoratissima.* Leaves cordate.  
 Stem twining, fruticose. Peduncles solitary. Lip  
 larger than the rest of the corolla. *L. sp.* 1362.  
*Hort. kew.* iii. 311.

*A. scandens, foliis cordato-acuminatis, florum flabellis*  
*amplis purpureis.* *Browne* 329.

*A. scandens odoratissima, floris labello purpureo,*

semine cordato. *Sloane cat.* 60; *hist.* i. 162. t. 104. f. 1.

*ARISTOLOCHIA* odoratissima. *Wright in med. journ.* viii. 226.

3. *ARISTOLOCHIA siphon.* Leaves cordate, petiolate. Flowers in pairs and solitary. Tube of the corolla curved; limb slightly trifid. Bractee ovate. Stem twining, frutescent. *Obs.* 8120. Specimen gathered in the garden of Fothergill.—*Hort. kew.* iii. 311. *Lherit.*

*ARISTOLOCHIA.* *Schoepf* 131.

*A. frutescens.* *Marsh.* 12.

4. *ARISTOLOCHIA anguicida.* Leaves cordate, acuminate. Stem twining, fruticose. Peduncles solitary. Stipulae cordate. *L. sp.* 1362; *a Murr.* 824. *Jacq. amer.* 232. t. 144; *ed. Sto.* 299; (*obs.* 8. t. 3 is *A. trilobata.*)

*Tomabuactlacopatli.* *Hern.* 42, *cop. in*

*A. mexicana*, flore acutiore. *Hist. ox.* iii. 509. s. 12. t. 17. row 1. f. 7.

*ARISTOLOCHIA anguicida.* *Gillespie in phys. journ.* iv. 295. *Murr.* i. 358.

5. *ARISTOLOCHIA indica.* Leaves cordate, rather acute. Stem twining. Peduncles multiflorous. *L. a Murr.* 824; *sp.* 1362.

*Careloe-vegon.* *Rheede* viii. 48. t. 25.

*ARISTOLOCHIA indica.* *Thunb. trav.* iv. 186.

6. *ARISTOLOCHIA Serpentaria.* Leaves oblongo-cordate, flat. Stems flexuose. Flowers solitary. *Obs.* 8382. Specimen without flowers in an old

herbal, probably found among officinal roots.—

*Walt. carol.* 223. *Woodv.* ii. 291. *t.* 106, from Kew garden.—*L. sp.* 1363, from

*A. caulibus infirmis angulosis flexuosis, foliis cordato-oblongis, floribus recurvis solitariis. Gron. virg. ed. I.* 112.

*A. foliis cordato-oblongis planis, caulibus infirmis flexuosis teretibus, floribus solitariis. Gron. virg.* 140.

*A. Pistolochia, sive Serpentaria virginiana, caule nodoso. Pluk. alm.* 50. *t.* 148. *f.* 5. *Catesb.* i. 29. *t.* 29. In flower.

*A. polyrrhizos virginiana, fructu parvo pentagonalari. Hist. ox.* iii. 510. *s.* 12. *t.* 17. *f.* 14. In fruit.

*Polyrrhizos virginiana. Park. theatr.* 420.

*Pistolochia virginiana. Ger. by Johns.* 848. *n.* 6, line 16th. (The fig. is *A. sempervirens.*)

*Pistolochia, or Serpentaria virginiana. Banister in phil. trans. abr.* ii. 644.

(*A. violae fruticosae foliis, virginiana. Pluk. phyt.* *t.* 15. *f.* 2, not the plant.)

*Stem angular. Leaves lanceolato-ovate and ovate, cordate at the base. Obs.* 8382.—*Specimens* in Sir Jos. Banks's herbarium from Virginia out of Philip Miller's herbarium; from Foithergill's garden gathered in 1779 in fruit; and found by Dr. Coombe in a parcel of the drug, all which had been compared with the Linnaean herbarium.

*SERPENTARIA. Alst.* i. 520. *Chalm.* i. 67. 149. 152. 155. 165. 186; ii. 6. 115. 167. 208.

*Hume in lett. and ess.* 257. *Lew.* ii. 364. *Mead mon.* ii. 90. *Ploucq. bibl.* i. 506. 516. *Pott* iii. 158. *Quarin febr.* 36. 69. 92. 121; *animad.* 176.



*Smyth jail dist.* 121. *Stoll med.* iii. 109. *Underw.* i. 77. 259.

A. *Serpentaria*. The root. *Pharm. edin.*—*Hoven*, account from in med. rev. ii. 363, *Lew. disp. by Dunc.* 153. *Murr. J.* i. 184; ii. 69. *Pearson*, R. i. 245; ii. 170; ed. ii. 328. *Valentine*, account from in chir. rev. xi. 240.

*Serpentaria virginiana*. Virginian Snake root. The root. *Pharm. lond.*—*Berg.* 716. *Bruce in Lind hot clim.* 254. *Cartheus.* iii. 68. *Colden in med. obs.* i. 221. *Cull.* ii. 85. *Dale* 194. *Douglas*, account from in med. ess. iv. 390. *Fuller pharm.* 75. *Geoffr.* ii. 141. *Herm.* 36. *Hill* 61. *Hillary barb.* 128. 165. *Linn.* 235. *Mead mon.* i. 33. 46. *Mill. Jos.* 410. *Monro* iii. 265; sold. 258. *Murr.* i. 348. *Robertson* sev. 375. *Rutty* 482. *Schoepf* 131. *Spielm.* 297. *Stoll med.* i. 18. 45. 54; aph. n. 678. *Underw.* i. 94. *Vog.* 211. *Wintringh.* in *Mead* i. 223. 230.

*Serpentaria virginica*. *Pharm. austriaco-prov.* 67. Snakeroot. *Clark, J. long roy.* 175. 261. *Hume*, in lett. and ess. 229. *Jackson jam.* 236. 322. 333. *Lempr.* ii. 162. 174. 191. 192. *Lind hot clim.* 104; seam. 202. *Moseley* 162. 169. 222. *Pott* iii. 359. *Pringle* 274; app. 108.

Virginian Snakeroot. *Lind seam.* 259. *Pringle* 311. *Rush v.* 182. *Underw.* i. 306.

Serpentary. *Blane* 409. 414.

Snakeweed root. *Bisset ess.* 75.

Viperine. *Chom.* 339.

β *oblongifolia*. Leaves more oblong and longer than those of α. Specimen in Sir Jos. Bauks's herbarium from North America.

A. *Serpentaria* β *L. mant.* 493.



7. **ARISTOLOCHIA** *Pistolochia*. Leaves cordate, crenulate, reticulate underneath, petiolate. Flowers solitary. *L. sp.* 1364. *Gouan hort.* 476. Near Montpellier.—*Asso n.* 902.

*A. Pistolochia dicta.* *Boerh. i.* 278.

*Pistolochia.* *Cam. epit.* 422. *Clus. hist. ii.* 72, repr. in *Dod.* 323, and *Ger. by Johns.* 847, repr. from

*Pistolochia* *III.* *Clus. hisp.* 326, & cop. in

*Pistolochia* *Clusii.* *Dalech.* 980, &

*A. polyrrhizos.* *Bauh. J. iii.* 561. *Raii europ.* 68. Near Montpellier.

*A. Polyrrhizon, sive Pistolochia Plinii.* *Lob. adv.* 265, repr. in *ic. i.* 607, & cop. in

*Pistolochia vulgatiior.* *Park. theatr.* 293.

**PISTOLOCHIA.** *Dale* 194. *Lew. i.* 163.

*A. Pistolochia.* *Herm.* 102. *Spielm.* 201.

*A. tenuis.* *Geoffr. ii.* 14.

*A. longa vera.* *Chom.* 150; suppl. 49.

7. **ARISTOLOCHIA** *rotunda*. Leaves cordate, obtuse, nearly sessile. Stem weak. Flowers solitary. *L. sp.* 1364. *Hort. kew. iii.* 312. *Scop, carn, n.* 1135. *Bauh. J. iii.* 559, cop. from *Aristolochia.* *Cam. epit.* 419.

*A. rotunda I.* *Clus. hisp.* 318, repr. in *hist. ii.* 70.

*A. rotunda.* *Dod.* 322, *Lob. ic. i.* 606, and *Ger. by Johns.* 846, & cop. in *Dalech.* 978, &

*A. rotunda vulgatiior.* *Park. theatr.* 291.

(*A. rotunda vera.* *Trag.* 768, is represented as having cirrhi.)

*Peduncles* several times shorter than the leaves. *Obs.* 8118. Specimen gathered in Fothergill's garden.

**ARISTOLOCHIA** *rotunda.* *Pharm. succ.*—*Alst. i.* 390. *Berg.* 718. *Cartheus. ii.* 329. *Dale*

194. *Falconer in phys. journ.* v. 418. *Geoffr.* ii. 12. *Herm.* 100. *Lew.* i. 163; *disp.* 92; by *Dunc.* 329. *Linn.* 235. *Mill. Jos.* 49. *Murr.* i. 351. *Neum.* ii. 194. *Rutty* 37. *Schrod.* 537. *Spielm.* 200. *Vog.* 186.  
*A. rotunda vera.* *Pharm. austriaco-prov.* 19.  
*A. rotunda, flore ex purpuro-nigro.* *Chom.* 150.  
*Aristolochia.* *Ploucq. bibl.* i. 408.  
*Pulvis portlandicus.* *Heberd.* 6. 48. 55. 346.  
*Portland powder.* *Clephane in med. obs.* i. 126.  
*Cull. pract. n.* 557.  
*Portland's powder.* *Darw.* ii. 735.

8. *ARISTOLOCHIA longa.* Leaves cordate, obtuse, petiolate. Stem weak. Flowers solitary. Fruit ovate. *Hort. kew.* iii. 312. *L. sp.* 1364. *Scop. carn. n.* 1136. Near Trieste.—*Gouan hort.* 477. On the sea shore.—*Asso n.* 903. *Woodv.* 294. t. 107. *Cam. epit.* 420, *cop. in*  
*A. longa vera.* *Park. theatr.* 291. *Lob. adv.* 265, *repr. in ic.* i. 606. *Mill. Ph. ic. t.* 51. f. 2.  
*A. longa II.* *Clus. hisp.* 320, *repr. in*  
*A. longa I.* *Clus. hist.* ii. 70,  
*A. longa.* *Dod.* 322, and *Ger. by Johns.* 816, and *cop. in Bauh. J.* iii. 560, &  
*A. longa Dodonaei.* *Dalech.* 979. Capsule obovate.

- ARISTOLOCHIA longa.* *Alst.* i. 391. *Berg.* 718. *Cartheus.* ii. 328. *Dale* 193. *Geoffr.* ii. 12. *Herm.* 100. *Lew.* i. 163; *disp.* 99. *Linn.* 236. *Mill. Jos.* 48. *Monro* iii. 24. *Murr.* i. 351. *Neum.* ii. 195. *Quarin anim.* 292. *Rutty* 38. *Schrod.* 537. *Spielm.* 198. *Vog.* 186.

9. ARISTOLOCHIA *Clematitis*. Leaves cordate, Stem erect. Flowers axillary, crowded. *L. sp.* 1864. *Jacq. vind.* 165. *Gouan hort.* 477. Near the sea.—*Roth germ.* i. 384. Vineyards and hedges.—*Fl. dan. t.* 1235. *Retz. scand. n.* 1112. Hedges.—*Sibth. ox. n.* 337. Near the walls of Godstow nursery.—*Huds.* 394. Near Maidstone, and elsewhere in Kent.—*Bot. arrang.* 1003. *Woodv. iv.* 69. *t.* 238. *Scop. carn. n.* 1137. *Smith engl. t.* 398, from the ruins of Carrow Abbey near Norwich;—*brit.* 947. *Park. theatr.* 292. (The fig. is *A. baetica*).—*Tab. ic.* 160. *Lob. ic.* i. 607; repr. from

*A. Clematitis* III. *Clus. hisp.* 322, which repr. in

*A. Clematitis vulgaris*. *Clus. hist.* ii. 71,

*A. saracenica*. *Dod.* 324, and *Ger. by Johns.* 847, & cop. in *Dalech.* 979. *Raii europ.* 68. About Montpellier.

*A. longa vulgaris*. *Cam. epit.* 421.

*A. Clematitis recta*. *Tourn. paris.* 175. *Boerh.* i. 278. *Mill. Ph. ic. t.* 51. f. 1.

*A. tenuis officinarum*, *Clematitis recta*. *Vaill. paris.* 15.

*A. rotunda*. *Fuchs.* 94. c. 31, cop. in

*A. longa*. *Trag.* 178, &

*A. Clematitis vulgaris*. *Bauh. J.* iii. 560. Fruit perfect.

*Stigma* sphaeroidal; margin with 6 teeth. *Obs.* 2974. Nursery of Messrs. Brunton and Hunter.—*Obs.* 5403. Under the garden wall of Harvington Hall in Worcestershire.

Native of Spain, France, Carniola, and Germany, and naturalised or seminaturalised in the south of England and in Scandinavia, for I doubt whether it propagates itself by seed in this island.



**ARISTOLOCHIA** Clematidis. *Alst.* i. 391. *Dale* 194. *Geoffr.* ii. 13. *Hill* 585. *Lew.* i. 164; *disp. by Rother.* 99; *by Dunc.* 329. *Spielm.* 201.

*A.* Clematidis recta. *Chom.* 150; *suppl.* 50. *Neum.* ii. 195. *Rutty* 38.

*A.* tenuis. *Cull.* ii. 83. *Herm.* 100.

*A.* vulgaris. *Pharm. austriaco-prov.* 19.—*Berg.* 719. *Cartheus.* ii. 332. *Linn.* 236. *Murr.* i. 356. *Vog.* 187.

## 341. KERNERIA.

*Calyx* of the male flowers none, of the hermaphrodite flowers triphyllous, aristate. *Antherae* sessile. *Berry* monospermous. *From L. a Willd.*

I. **KERNERIA** *oceanica.* *L. a Willd.* iv. 947.

*Zostera oceanica.* *L. mant.* 123, *from Ger. prov.* —*Smith brit.* 8, under *Z. marina*, who observes that it has not been found in the British seas.

*Z. marina*  $\beta$ . *Huds.* 395, *cop. in Bot. arrang.* 1005.

*Alga marina.* *Lob. ic.* ii. 248, *repr. in*

*Alga.* *Ger. by Johns.* 1569, & *cop. in*

*Fucus marinus*, sive *Alga marina graminea.* *Park. theatr.* 1292; the separate *balls cop. from*

*Fucus marinus alter.* *Dod.* 474. The stem *cop. from Lobel* but the leaves different; the inner separate *fig. cop. in*

*Alga angustifolia vitriariorum.* *Bauh. J.* iii. *b.* 794. The leaves from *Lobel*, the base of the stem new, and the outer separate *fig. representing*

*Algæ pomum monspeliensium.* *Bauh. J.* iii. *b.* 795.



Pila sive Sphaera marina. *Bauh. J.* iii. b. 795.

*PILAE MARINAE.* *Spielm.* 567.

### 342. ACORUS.

*Calyx* inferior, hexaphyllous. *Style* none. *Capsule* with 3 and 4 cells. *Obs.* 7526. *L.*

1. *ACORUS undulatus.* Floral leaf several times longer than the spike. *Obs.* 7526. On the north-west side of the larger pool at Norton Hall in Derbyshire.

*A. Calamus.* *Hort. kew.* i. 474, *cop. in Smith brit.* 373; *engl. t.* 356. *L. suec. n.* 297; *sp.* 462. *Roth germ.* i. 153. *Woodv.* 472. *t.* 173. *Bot. arrang.* 357. The observation respecting the decay of the root is I suspect erroneous.—*Michaux* i. 194. *Huds.* 147. On Hounslow heath.—*Fl. dan. t.* 1158. *Thunb. jap.* 144. *Host* 196. *Scop. carn. n.* 426. *Jacq. vind.* 60. *Gouan hort.* 18.

*Typha aromatica, clava rugosa.* *Hist. ox. s. 8. t.* 13. *f.* 4.

*A. verus, sive Calamus officinarum.* *Ruii syn.* 437.

*A. Dioscoridis.* *Lob. adv.* 29. No fig.

*Acorum verum Matthioli.* *Dalech.* 1618, who relates that Matthiolus received the plant from Augerius de Bousbecke and Quacelbenus who obtained it from the side of a lake near Nicomedia in Bithynia. Root and leaves.

*Acorum cum flore, domini Robini regis francorum herbarii.* *Dalech.* 1618.

*Acorum legitimum.* *Clus. hisp.* 521, root and leaves, from a plant presented to the emperor Maximilian by Augerius; *repr. in pann.* 258,

Acorus. *Lob. obs.* 30, inner fig. and *ic.* i. 57, outer fig.—*Dod.* 249, repr. in *Lob. obs.* 30, inner fig. &

*A. verus* sine inlo. *Ger. by Johns.* 62.  
Acorum legitimum cum suo inlo. *Clus. pann.* 259, cop. in

Calamus aromaticus vulgaris, multis Acorum. *Bauh. J.* ii. 734, &

*A. verus*, sive Calamus officinarum. *Park. theatr.* 140, & repr. in

*A. verus*, officinis falso Calamus, cum inlo. *Ger. by Johns.* 62. *Blackst. haref.* 2. Ponds near Harefield church in Middlesex.

Acorum. *Rumph.* v. 178. t. 181. *Cam. epit.* 5.

*Plant* glabrous, yellowish green. *Leaves* contrary, ensiform, acute, 6 tenths of an inch broad; costa acute on both sides, nearer one margin than the other; the narrower side in the larger leaves undulate for a considerable way about the middle of the leaf; undulations transverse, regular. *Stem* triangular, slightly compressed, nearly twice as narrow as the leaves, terminating in a leaf, the broader sides rather convex, the narrower side canaliculate, the channel acute; mucro-ensiform, similar to but narrower than the radical leaves, 3 to 6 tenths of an inch broad at the base. *Spike* terete, attenuate, rounded at the very end, sessile, 3 to 4 inches long, patulous, inserted into the canaliculate side of the stem, nearly 4 times shorter than the leaf. *Flowers* compact, quadrate, in quincunx order. *Rachis* attenuate, somewhat broader than the length of the flowers, white, spongy. *Calyx* scariose, brownish white; phylla quadrato-oblong, obtuse, erect, flat, carinate, the carina dividing a little below the end and forming 2 lateral ridges as in the strobilus of *Pinus*.

*Stamina* as long as the calyx. *Filaments* linear, brownish white. *Antherae* roundish, whitish, rigid, narrower than the filament. *Pistil* oblong, hexagonal, pointed at the end, whitish below, green above, with 4 cells. *Obs.* 7526.

*Native* of Bithynia, whence introduced into Europe according to Matthioli and Clusius; and perhaps only naturalised in Germany, Holland, England, and Sweden. The Polish name of Tartarsky betrays the oriental origin of what Paludanus is said to have found above Wilna in Lithuania. Those who believe it indigenous in Europe may peruse the older authors cited above. Does it produce fertile seed in England?

*ACORUS.* *Alst.* i. 356. *Cult.* 435. *Krock.* n. 540. *Schrod.* 525.

*Acorum.* *Rutty* 9.

*A. verus.* *Dale* 259. *Geoffr.* ii. 2. *Herm.* 8. *Hill* 570. *Mill. Jos.* 12.

*A. Calamus.* The root. *Pharm. edin.*—*Lew. disp.* by *Dunc.* 127. *Murr. J.* i. 195; *Pearson, R.* ii. 165.

*Calamus aromaticus.* *Pharm. lond.*—*Cartheus.* iii. 60. *Heberd.* 161. *Hufeland,* account from *in med. rev.* ii. 458. *Lind hot clim.* 314; *scam.* 148. *Monro* iii. 36; *solid.* ii. 128. 186. *Moseley* 169. *Neum.* ii. 200. *Percival* ii. 275. *Ploucq. bibl.* i. 129. 176. *Quarin animad.* 170. 172. 175. *Spielm.* 242. *Vog.* 189.

*Calamus vulgaris.* *Pharm. sued.*—*Berg.* 274. *Linu.* 112. *Murr.* v. 39. *Schoepf* 49.

*Calamus.* *Lew.* i. 251.

*A. verus, seu Calamus aromaticus.* *Chom.* 180.

*A. verus.* *L. sp.* 463—Root slenderer and with more frequent joints. *From*



- A. asiaticus*, radice tenuiore. *Herm. hort.* 9.  
*A. Calamus*. *Lour.* i. 259.  
*A. verus*, sive *Calamus aromaticus officinarum asiaticus*. *Boerh.* ii. 167.  
*Calamus aromaticus*. *Garzias ap. Clus. exot.* 200?  
 No fig.  
*Waembu*. *Rheede* xi. 99. t. 60. No fructifications.  
*ACORUS indicus*. *Geoffr.* ii. 5. *Herm.* 11.  
*A. asiaticus*. *Dale* 259.  
*A. verus*. *Linn.* 112. *Murr.* γ. 39. *Spielm.* 243.

### 343. ORONTIUM.

*Calyx* none. *Petals* 6. *Style* none. *Follicle* monospermous. *From L.*

1. *ORONTIUM aquaticum*. Leaves lanceolate and oval. *Obs.* 8713. Specimen gathered in Fothergill's garden, and from *Michaux* i. 194. *Murr.* in *L. a Murr.* 340. *L. sp.* 463.  
*Orontium*. *L. amoen.* iii. 17. t. 1. f. 3. *Gron. virg.* 53.  
*(Arum fluitans pene nudo. Catesb. i. t. 82 seems rather to be a species of Arum.)*  
*Leaf*, oblongo-lanceolate. *Obs.* 8713.  
*ORONTIUM aquaticum*. *Schoepf* 49.
2. *ORONTIUM cochinchinense*. Leaves ensiform, carinate. *From Lour.* i. 258.

### 344. BAMBOS.

*Involucrum* of 2 and 3 bracteae. *Calyx* diphyllous.



*Petals* 3 and 2. *Style* semibifid. *Seed* 1, covered by the calyx. From *Roxb. & Schreb.*—*Retz.*

*Bambusa.* *L. a Schreb.* 236.

1. *BAMBOS quinqueflora.* Flowers mostly 5 in a spike, the lower hermaphrodite, the upper male. From *Roxb. & Schreb.*

*B. arundinacea.* *Retz. obs. v. n.* 58. *Roxb. corom. i. n. t.* 79.

*Arundo Bambos.* *L. sp.* 120. *Lour. i.* 70. *Hort. kew. i.* 115. *Forst. G. austral. n.* 47. *Thunb. jap.* 54.

*Ily.* *Rheede i.* 25. *t.* 26.

*Arundo arbor vasaria.* *Rumph. iv.* 8.

*Arundo arbor tabaxifera.* *Hist. ox. s. 8. t. 8. row 2 & 3. f.* 11.

*Arundo arborescens tabaxifera.* *Hist. ox. iii.* 219.

*Arundo Mambu.* *Raii hist.* 1315.

*Tabaxir, sive Mambu arbor.* *Bauh. J. i. b.* 222, the outer figure cop. in

*Canna ingens, Mambu, vel Bambu dicta.* *Park. theatr.* 1630, &

*Bamboes.* *Nieuhoff by Ogilby* 253.

(*Jataboca.* *Marcgr. bras.* 3 is not the plant.)

*TABAXIR.* *Geoffr. ii.* 735. 752.

*Tabasheer.* *Macie in phil. trans. for 1791, account from in med. facts iv.* 193. *Russel, Pat. in phil. trans. for 1790, part ii; account from in med. facts i.* 141; & *med. comment. dec. II. vi.* 103.

*Tabashir.* *Canning in phil. trans. abr. by Hutt.* xii. 370.

*Arundo Bambos.* *Bryant* 81.

*Arundo tabaxifera.* *Dale* 265.

*Oriental Bambu.* *Long jam.* 753.

Bamboo tree. *Thunb. trav.* ii. 293.

2. **BAMBOS verticillata.** Spike verticillate. *From*  
*L. a Willd.* ii. 245.  
**ARUNDO** arborea, tennis, Leleba dicta. *Rumph.*  
 iv. 1. t. 1.

### 345. CALAMUS.

*Calyx* hexaphyllous. *Corolla* none. *Berry* unilocular, trispermous, imbricate, with scales pointing backwards. *From Gaertn.* ii. 267. t. 139. f. 1.  
 —*L.*

1. **CALAMUS Rotang.** *L. sp.* 463.  
*Arundo Rotang dicta. Raii hist.* 1316.  
*Arundo nucifera, Rotang dicta, fructu spadicei coloris striis purpureis venuste tessulato. Pluk. alm.* 53; *phyt.* t. 106. f. 1. 2.  
*Arundo Rotang. Pis. mant.* 188. In fruit. No leaves.  
**CALAMUS Rotang.** *Thunb. trav.* ii. 276.  
 \* **Calapparius.**— Stem closely aculeate. Aculei erect. Spadix erect. *Willd.*  
*C. Rotang. L. a Willd.* ii. 202. *Gaertn.* ii. 268. t. 139. g  
**PALMIJUNCUS Calapparius.** *Rumph.* v. 97. t. 51.  
 β **niger.**—Aculei of the stem and frondes horizontal. Spadix compact pendant. *Willd.*  
*C. niger. L. a Willd.* ii. 203.  
**PALMIJUNCUS niger.** *Rumph.* v. 101. t. 52.  
 γ **albus.**—Aculei of the stem reflex. Branches of the spadix divaricate, straight. *Willd.*

*C. rudentum.* *L. a Willd.* ii. 203. *Lour.* i. 260.

*PALMIJUNCUS* albus. *Rumph.* v. 102. *t.* 53.

δ *verus.*—Aculei of the stem horizontal. Spadix erect.

Three of the phylla longer. *Willd.*

*C. verus.* *L. a Willd.* ii. 203. *Lour.* i. 261.

*PALMIJUNCUS* verus. *Rumph.* v. 105. *t.* 54.

*f.* 1. 2; *t.* 55. *f.* 1.

ε *Zalacca.*—Aculei patent. Spadix near the root.

*Willd.*

*C. Zalacca.* *L. a Willd.* ii. 204. *Gaertn.* ii. 267.

*t.* 139. *a.*—*f.*

*ZALACCA.* *Rumph.* v. 113. *t.* 57. *f.* 2. *c.*

Baly insulae fructus, pyri forma asper. *Bauh. J.* i.

*a.* 401. A berry and a nut.

*Salac.* *Thunb. trav.* ii. 275.

ζ *Draco.*—Aculei of the stem adpressed, those of the frondes patent. Spadix erect. *Willd.*

*C. Draco.* *L. a Willd.* ii. 203.

*C. Rotang.* *Woodv.* iii. 474. *f.* 174.

*Palmijuncus Draco.* *Rumph.* v. 114. *t.* 58. *f.* 1,

from a specimen received from Palimbang in Sumatra.

*Palma conifera spinosa.* *Kaempf. amoen.* 552.

*Rotting.* *Nieuhoff by Ogilby* 253. *t.* 2

Spikes recurvate. Specimen in Sir Jos. Banks's herbarium gathered by the Moravian missionaries.

*SANGUIS DRACONIS.* Dragon's blood. A

resin. *Pharm. lond.*—*Alst.* ii. 462. *Berg.* 274.

*Cartheus.* iv. 293. *Cull.* ii. 43. *Geoffr.* ii. 557.

*Herm.* 719. *Hill* 724. *Lew.* ii. 328; in *Neum.*

ii. 27. *Linn.* 200. *Mill. Jos.* 389. *Monro* ii. 364.

*Murr.* v. 301. *Rutty* 459. *Spielm.* 429. *Vog.*

316.

*Palma sanguinea draconis fundens altera.* *Dale*

272.

*Arundo farcta indica.* Dale 266?

Salack. *Cook in Hawkesw.* iv. 350.

Ratan. *Thunb. trav.* ii. 276.

346. JUNCUS.

*Calyx* hexaphyllous. *Corolla* none. *Capsule* with 3 and 1 cell. *Obs.* 7864. *L.*

1. *Flowers on scapi.*

1. JUNCUS? *bracteatus*. Scapus terete. Panicle lateral, compact. Flowers with 4 bracteae at the base. *From Lour.*

*J. indicus porosus.* *Clus. cur. post.* 64. No fig.

*SCIRPUS capsularis.* *Lour.* i. 55.

2. *Flowers on stems.*

2. JUNCUS *bulbosus*. Leaves linear, canaliculate. Capsules obtuse. *L. sp.* 466?

*JUNCUS bulbosus.* *Lour.* i. 265, has a calyx with phylla distichously imbricate.

3. JUNCUS *campestris*. Leaves flat, pilose. Terminating spike sessile, the rest on peduncles. *Obs.* 4951. In boggy ground on a high moor near Chesterfield in Derbyshire.—*L. a. Bot. arrang.* 364 a. *Curt. lond.* ii. 19. t. 140. *Smith engl. t.* 672.

*Gramen luzulæ minus.* *Bauh, J.* ii. 493.

(*Gramen capitulis globosis.* *Ger. by Johns.* 18, *cop. in*

*Gramen capitulo lucido globoso Tabernaemontani.*



*Bauh. J.* ii. 468, has all the spikes on peduncles, and leaves without any appearance of hairs.

*Gramen exile hirsutum. Ger. by Johns.* 17, *cop. in*

*Gramen exile hirsutum, cyperoides Lobelii. Bauh. J.* ii. 493, differs in having only 2 spikes on a stem, and the lowermost sessile.)

*Stem* 4 to 13 inches long. *Capsule* with 3 seeds. *Obs.* 4772. In a pasture.—*Stem* 17 inches long. *Calyx*, phylla ovate, acute, from  $1\frac{1}{4}$  to  $1\frac{1}{2}$  tenth of an inch long. *Obs.* 4951.

*JUNCUS campestris. Krock. n.* 558.

### 347. BORASSUS.

*Calyx* of the hermaphrodite flowers with 8 or 12 phylla; of the male flowers with 3 phylla. *Corolla* of the hermaphrodite flowers none unless the inner phylla of the calyx be accounted such; of the male flowers tripetalous; petals inserted at the end of an elongated receptacle. *Stamina* of the male flowers 6; those of the hermaphrodite flowers 6 to 9, united at the base, with barren antherae. *Style* none. *Stigmata* 4. *Berry* of 1 cell. *Seeds* 2 to 4. *From Roxb. corom.* i. 50. t. 71. 72. *L.*

#### 1. BORASSUS flabelliformis. *L. sp.* 1657.

*Lontarus domestica. Rumph.* i. 45. t. 10. A female plant.

*Ampana. Rheede* i. 13. t. 10. A male plant.

*Carimpana. Rheede* i. 11. t. 9.

*Palma coccifera, folio plicatili flabelliformi, foemina. Raii hist.* 1366.

MONOGYNIA. 343. Achras. 291

*Palma coccifera*, folio flabelliformi, mas. *Raii hist.* 1366.

*BORASSUS* flabelliformis. *Roxb. corom. i. t.* 71. 72.

Palmyra tree. *Symes ava ii.* 224. 237. 261.

Palmyra. *Percival, Rob. ceyl.* 151.

Palm, *Percival, Rob. ceyl.* 324.

TODDY. *Cook in Hawkesw. iv.* 283. 361.

MOLASSES. *Symes ava ii.* 237.

SUGAR. *Symes ava ii.* 237.

347\*. DUROIA.

*Calyx* superior, cylindric, truncate. *Corolla*, limb sexpartite. *Filaments* none. *Pomum*. From *L. fl. suppl.* 30.

1. DUROIA *Eriopila*. *L. fl. suppl.* 209?

MARMOLADE DOOSES BOOM. *Merian. surin. t.* 43. In fruit.

348. ACHRAS.

*Calyx* hexaphyllous and pentaphyllous; phylla in 2 rows. *Corolla* sexfid, quinquefid, and octodecimfid. *Nectaria* 6 and 5, on the inner side of the corolla. *Pomum* with 12 and 10 cells. *Seeds* solitary. From *L.*

Differs from *Sideroxylum* in the phylla being disposed in rows.

1. ACHRAS *Sapots*. Flowers solitary. Leaves lan-

ceolato-ovate. From *L. a Murr.* 342; *sp.* 470.  
*Hort. kew.* i. 477. *Swartz. obs.* 128. *Jacq. amer.*  
*8vo ed.* 73.

*α* *globosa.* Fruit globose. From

*A. Zapota. Jacq. amer.* 57 β. *t.* 41. α, &

*A. Sapota. Jacq. amer. 8vo ed.* 73 β. *L. sp.* 470.

*α*

*A. brachiatus* diffusus, fructu subrotundo, cicatricula mucrone breviori. *Browne* 200. 202. *par.* 1.  
*Anona* foliis laurinis glabris viridi-fuscis, fructu minore rotundo viridi-flavo scabro, seminibus fuscis splendentibus fissura alba notatis. *Sloane cat.* 206; *hist.* ii. 171. *t.* 230. Leaves lanceolate.

*Sapota. Plum. gen.* 43. *t.* 4.

*Anona* foliis laurinis in summitate incisis, fructu compresso scabro fusco in medio acumine longo. *Catesb.* ii. 87. *t.* 87, has leaves emarginate at the end.

**SAPODILLA.** *Schoepf* 50.

*Sapotilla. Linn.* 113.

*A. Sapota. Bryant* 273. *Murr.* i. 559.

*Nesbury. Edwards west ind.* i. 201.

*β* *ovalis.* Fruit oval. From

*A. Zapota. Jacq. amer.* 57 α. *t.* 41 β; *8vo ed.* 73

*α*

*A. mammosa. L. sp.* 470 β

**ACHRAS** fructu elliptico scabro majori, floribus solitariis alaribus, cicatricula seminis ultra mucronem porrecta. *Browne* 200. *t.* 19. *f.* 3; 202. *par.* I, & 2. Leaves oblongo-oval.

*γ* *altissima.* Stem very long. Fruit small. From *Browne.*

*A. Sapota. L. sp.* 470 β

*Anona* maxima, foliis laurinis glabris viridi-fuscis, fructu minimo rotundo viridi flavo, seminibus fus-

cis splendentibus fissura alba notatis. *Sloane cat.* 206; *hist.* ii. 172. *t.* 169. *f.* 2. No fructifications. Leaves elliptico-oblong.

*ACHRAS* caudice altissimo, fructu minori, semine mucronato. *Browne* 201. 202. *par.* 1.

2. *ACHRAS mammosa*. Flowers solitary. Leaves cuneiformi-lanceolate. *L. sp.* 469 *a*; *mant.* 368. *Hort. kew.* i. 477. *Jacq. amer. ed.* 8vo, 71.

*A. Zapota major*. *Jacq. amer.* 56. *t.* 182. *f.* 19, a leaf. Seldom more than 1 seed coming to perfection.

*A. fructu maximo ovato*, seminibus paucioribus oblongis turgidis. *Browne* 201.

*Malus persica maxima*, foliis magnis integris longis, fructu maximo oblongo scabro, ossiculo partim rugoso partim glabro. *Sloane cat.* 180; *hist.* ii. 124. *t.* 218.

Fructus oblongus utrinque acuminatus seu conicus laevis splendens spadiceus, quae castaneae species videtur. *Raii hist.* 1800. In Courtine's museum.

*Arbor americana pomifera*, frondosis ramulis, foliis amplis longioribus obtusis duris et venosis margine aequali. *Pluk. alm.* 39. *t.* 268. *f.* 2. No fructifications.

*Avellana indica major subrufa*. *Bauh. J. i. a.* 294, *repr. in*

*Fructus peregrinus ovatus*, similis lapidi judaico. *Bauh. J. i. a.* 309. The upper fig. &

*Avellanarum indicarum Clusii* 2. *Dalech.* 1767, *cop. from*

*Balsami fructus*. *Ger. by Johns.* 1528. *Dalech.* 1859, &

*Balsami peruviani fructus*. *Bauh. J. i. a.* 294, *cop. from*



Fructus peregrinus J. *Clus. exot.* 56.

Avellana indica Matthioli. *Dalech.* 1767, row the 2nd, the 3 outer figures of row the 3rd, and row the 4th, *cop. in*

Avellanae indicæ majores Cortusi nigricantes. *Bark. J. i. a.* 293.

*ACHRAS* fructu maximo ovato, seminibus paucioribus oblongis turgidis. *Browne* 201. 202. *par.* 1.

Mammee-sapota. *Edwards west ind.* i. 204.

3. *ACHRAS verrucosa*. Fruit coriaceous, roundish, warty. Seeds narrow, with straight margins. *From*

*ACHRAS* fructu coriaceo subrotundo verrucosus, seminibus angustis marginibus rectis. *Browne* 201. 202. *par.* 1.

4. *ACHRAS octodecemfida*.—Flowers crowded. Corolla with 18 segments. Leaves obovate, emarginato-retuse. *Forst. G.*

*A. dissecta*. *Forst. G. escul.* 43; *austral. n.* 155. *L. fil. suppl.* 210.

*MANYL-KARA*. *Rhede* iv. 53. t. 25. Leaves acute, elliptico-oval.

### 349. PRINOS.

*Calyx* sexfid. Corolla monopetalous, rotate. *Berry* with 6 seeds. *L.*

1. *PRINOS verticillatus*. Leaves elliptic, doubly serrate. *Obs.* 8392. Specimen gathered in Fothergill's garden.—*L. sp.* 741. *Hort. kew.* i. 478.

*Prinos. Gron. virg. 54.*

*Alcanna major latifolia dentata. Munt. phyt. t. 51.*

*PRINOS verticillatus. Coxe 374. Marsh. 110.*

*Prinos. Schoepf 50.*

2. *PRINOS glaber.* Leaves lanceolate, rather obtuse, glabrous, serrate at the end. *Hort. kew. i. 478.*  
*L. sp. 471.*

*PRINOS glaber. Schoepf 51.*

### 350. TECTONA.

*Calyx* inferior, semisexfid and semiquinquefid. *Corolla* infundibuliform, sexfid and quinquefid. *Stigma* bidentate and tridentate. *Drupe* spongy, within the inflated calyx. *Nut* trilocular and quadrilocular. *Seeds* solitary. *From L. fil. Juss. 108, & Roxb.*

1. *TECTONA grandis. L. fil. suppl. 151. Roxb. i. 10. t. 6. Hort. kew. i. 260.*

*Prunifera vesicaria* fructu multiplici, ossiculo in singulis quadrato. *Raii hist. 1565.*

*Theka. Rheede iv. 57. t. 27.*

*JATUS. Rumph. iii. 34. t. 18.*

### 351. BERBERIS.

*Calyx* hexaphyllous. *Petals* 6, with 2 glands at the base of each. *Style* none. *Berry* of one cell, perforated at the end. *Seeds* 1 to 3. *Obs. 8663.*  
*L.*

1. *BERBERIS racemosa*. Flowers racemose. Leaves spinoso-ciliate. Stipulae tripartite. *Obs.* 8663. In a garden.
- B. vulgaris*. *L. sp.* 471; *succ. n.* 311, where remarked that Baal a gardener of Montpellier observed that if bees in pursuit of honey touch the filaments, the antherae approach the stigma and discharge their pollen with an explosion, and that the same may be effected by touching them with a pin; which last observation confirmed in *Bot. arrang.* 366, by Dr. Sims; and by *Smith in phil. trans.* for 1788. p. 158; *repr. in tracts* 163; *engl. t.* 49; *brit.* 387. *Woodv.* iv. 60. *t.* 234. *Fl. dan.* t. 904. *Huds.* 137. *Pollich n.* 354. *Scop. carn.* n. 437. *Host* 201. *Roth germ.* i. 145. *Gouan hort.* 184. Near Montpellier.—*Jacq. vind.* 55. *Asso n.* 322.
- $\alpha$  *rubra*. Spines triple. Serratures of the leaves setaceous, elongate. Berries red. *H. K.* i. 479  $\alpha$
- B. dumetorum*. *Raii syn.* 465. On chalk hills about Walden in Essex.—*Boerh.* ii. 233. *Gouan monsp.* 312, who remarks that the filaments are irritable.
- B. officinarum*. *Rupp. ab Hall.* 156.
- B. vulgaris*, sive *Crespinus*. *Cam. epit.* 86.
- Spina acida*, sive *Oxyacantha*. *Dod.* 798, *repr. in*
- B. vulgo*, quae et *Oxyacantha* putata. *Bauh. J.* i. b. 54. Near Valence in Dauphine, in the neighbourhood of Basle, and in Alsace and Burgundy. —*Magn. hort.* 32. *Ger. by Johns.* 1325, about Iver near Colebrooke where most of the hedges are formed of it; & *cop. in* .
- Berberis*. *Park. theatr.* 1559. *Mill. Ph. ic. t.* 63.
- Oxyacantha*, seu *Berberis*. *Park. parad. t.* 559. f. 6.

*Native of Europe from Spain to Sweden, and of Boutan in Asia.*

**BERBERIS.** *Pharm. austriaco-prov.* 24. *succ.*  
—*Alst.* ii. 255. *Berg.* 277. *Dale* 318. *Fordyce*,  
*G. pract.* 152. *Geoffr.* iii. 172. *Lew.* i. 210;  
*disp. by Dunc.* 167. *Krock.* n. 560. *Linn.* 113.  
*Mill. Jos.* 83. *Monro* iii. 31. *Murr.* iv. 79.  
*Ploucq.* bibl. i. 654. *Rutty* 61. *Schoepf* 51.  
*Schrod.* 545. *Spielm.* 72. *Vog.* 247.

*B. vulgaris.* *Bryant* 159. *Pearson, R.* i. 59.

*Oxyacantha.* *Cartheus.* i. 410.

*B. dumetorum.* *Chom.* 604.

*B. aspermia.* Berries without seeds. *In gardens.*

*B. sine nucleo.* *Boerh.* ii. 233. *Magn. hort.* 32.

### 352. LORANTHUS.

*Calyx* none. *Corolla* superior, sexfid, revolute.  
*Stamina* inserted near the end of the petals. *Berry* monospermous. *From L.*

1. **LORANTHUS** *dioicus*.—*Racemi* simple, terminal.  
*Flowers* diecious. *L.*

*L. europaeus.* *L. sp.* 1672. *Host* 201. *Jacq. vind.*  
230. *t.* 3; *austr. t.* 30.

**VISCUM** *quercinum.* *Pharm. austriaco-prov.*  
74.—*Lew. disp. by Dunc.* 343.

2. **LORANTHUS** *longiflorus.* *Corymbi* axillary.  
*Stamina* 5. *Flowers* nodding. *Leaves* ovato-lanceolate, obtuse, veined. *L. a Willd.* ii. 235.

**VALLI-ITTI-CANNI.** *Rheede x. 5. t. 4.*



## 353. BURSERA.

*Calyx* triphyllous, of the male flowers quinquedentate. *Petals* 3, of the male flowers 5. *Stamina* of the male flowers 5 to 10. *Capsule* fleshy, trilocular, monospermous. From *Swartz. obs.* 130, & *Jacq. L.*

1. *BURSERA gummifera*. Racemi axillary. Folioles ovate, acute. From *L. a Willd.* iv. 1119; *sp.* 471. 1679; *mant.* 342. *Hort. kew.* i. 479. *Swartz obs.* 131. *Jacq. amer.* 94. t. 65; *8vo.* 119. Leaves pinnate ternate and simple.

*Terebinthus foliis cordato-ovatis pinnatis, cortice laevi rufescente, floribus masculinis spicatis.* *Browne* 345.

*Terebinthus americana polyphylla.* *Commel. hort.* i. 149. t. 77? Leaves quadrijugate and trijugate with an odd one. No fructifications.

*Betula arbor americana, seminibus lithospermi frumentacei aemulis.* *Pluk. t.* 151. f. 1. Leaves simple. In fruit.

*Terebinthus major, betulae cortice, fructu triangulari.* *Sloane cat.* 167; *hist.* ii. 89. t. 199. *Catesb.* i. t. 30. Fruit purple, not blue as in *Jacquin's* copy of the work.

*BURSERA.* *Schoepf* 50.

*B. gummifera.* *Wright in med. journ.* viii. 231.

## DIGYNIA.

## 354. ORYZA.

*Bractea* 2, containing 1 flower. *Calyx* diphyll-

ious, adhering to the seed; phylla nearly equal.  
From *L*.

1. *ORYZA sativa*. *L. sp.* 475. *Hort. kew.* i. 481.  
*Oryza*. *Catesb.* i. t. 14. *Aristae* none or very short.  
—*Rumph.* v. 196. *Boerh.* ii. 160. *Raii hist.*  
1246. *Cam. epit.* 192. *Browne* 203. *Bauh. Cesp.*  
*theatr.* 479. *Ger. by Johns.* 79, the separate pan-  
icle cop. in *Bauh. J.* ii. 451, and the whole cop.  
from  
*Oryza*. *Dod.* 500. *Park. theatr.* 1136.  
*Riz.* *Pomet* i. 18. t.  
*ORYZA*. *Berg.* 279. *Blane* 303. *Cartheus.* i.  
287. *Dale* 262. *Geoffr. suite* i. 286. *Lew.* i. 445;  
*disp. by Dunc.* 345. *Linn.* 113; *amoen.* v. 66.  
*Mill. Jos.* 324. *Murr.* v. 433. *Quarin animad.*  
65; febr. 319. 348. 357. 431. *Rutty* 369. *Schoepf*  
52. *Spielm.* 23. *Stoll aph. n.* 579. 808. *Win-*  
*tringh. in Mead mon.* i. 229.  
*O. sativa*. *Bryant* 338. *Lour.* i. 266. *Pearson,*  
*R.* i. 75.  
*Rice*. *Blane* 313. *Chalm.* i. 218. *Clark, J. long*  
*voy.* 517. *Cull. clin.* 305. *Fordyce, G. pract.*  
149; fev. ii. 27. *Lempr.* ii. 223. *Nisbet, account*  
*from in med. rev.* vi. 413. *Pringle* 276. 285.  
*Rush* v. 120. *Sherwen in ann. med. lustr.* II. ii.  
283. *Thunb. trav.* ii. 269. *Underw.* i. 342; iii.  
137. 142. *Wright in ann. med.* ii. 368.  
*Ris.* *Chom.* 827.  
*SACKI BEER.* *Thunb. trav.* iv. 37. 39. 76.  
*SAMSU.* *Berg.* n. 181. *Lour.* i. 268. *Osb.* i.  
235.  
*ARACUM.* *Berg.* n. 181.  
*Arrack.* *Thunb. trav.* ii. 282.  
*Arrak.* *Pearson, R.* i. 106.

**SHOUCHOU.** *Symes ava* ii. 307.

*α montana.* Aristae very long. Fruit rather long.  
From

*O. montana.* *Lour.* i. 267.

*β communis.* Aristae long. Fruit oblong. Panicle  
spicate. Spikes mostly simple. From

*O. communissima.* *Lour.* i. 267.

*γ praecox.* Aristae shorter. Fruit turgid. Panicle  
spicate. Spikes branched. From

*O. praecox.* *Lour.* i. 267.

*δ glutinosa.* Aristae shorter. Seed oblong. Leaves  
broader. From

*O. glutinosa.* *Lour.* i. 267. *Berg. mat. med. n.*  
181.

## TRIGYNIA.

### 355. RUMEX.

*Calyx* triphyllous. *Petals* 3, connivent. *Seed* 1,  
triquetrous. *L.*

1. *Flowers* hermaphrodite. *Petals* of the fruit  
with tubercles on the outer side.

1. **RUMEX Patientia.** *Petals* of the fruit entire at  
the margin, one of them with a tubercle. Leaves  
ovato-lanceolate. *L. a Murr.* 346; *sp.* 476.  
*Hort. kew.* i. 482. *Roth germ.* i. 160. In culti-  
vated ground and in meadows in Holstein, near  
Herborn in Westphalia, and on Mount Meisner in  
Hesse.



Lapathum hortense, folio oblongo, sive secundum Dioscoridis. *Vaill. paris.* 113. *Boerh.* ii. 84.

Lapathum sativum. *Dod.* 637, repr. in

Hydrolapathum magnum. *Lob. ic.* i. 285, & *Ger. by Johns.* 389, & cop. in

Hydrolapathum majus. *Park. theatr.* 1225, & *Dalech.* 604.

Hippolapathum, sive Rhabarbarum monachorum. *Dod.* 637, repr. in

Hippolapathum sativum latifolium. *Lob. ic.* i. 286, cop. in *Dalech.* 606, repr. in

Hippolapathum sativum. *Ger. by Johns.* 389, and cop. in

Lapathum sativum, sive Patientia. *Park. theatr.* 155; *parad. t.* 485. f. 4.

Rumicis secundum genus. *Fuchs.* 453. c. 176, cultivated in gardens; cop. in

Lapathum majus, sive Rhabarbarum monachorum. *Bauh. J.* ii. 985, in various places in Germany, France, and Italy; & abr. in

Rhabarbarum monachorum. *Trag.* 314. On Mount Saint Symon in the territory of the lords de Stauffen.

**RUMEX** Patientia. *Spielm.* 564.

Patientia. *Berg.* 280.

Lapathum majus. *Geoffr.* iii. 664.

Rhabarbarum monachorum. *Dale* 72. *Lew.* ii. 44.

Lapathum majus, sive Rhabarbarum monachorum. *Chom.* 53.

Common Monks Rhubarb. *Neum.* ii. 125.

Rhaponticum. *Spielm.* 637.

Lapathum hortense folio oblongo, sive secundum Dioscoridis. *Chom.* 207. *Mill. Jos.* 258.

Lapathum hortense, sive secundum Dioscoridis. *Dale* 72.



*Lapathum hortense*, folio oblongo. *Geoffr.* iii. 663.

2. RUMEX *sanguineus*. Petals of the fruit oblong, entire at the margin; 1 and in some plants all 3 with a tubercle on the outer side. Leaves cordato-lanceolate; margin undulate. *Obs.* 5183. On the sides of roads.—*Bot. arrang.* 369. *Sibth. ox.* 118. *Smith brit.* 390; *engl. t.* 1533.

*α purpureus*. Leaves with brownish purple veins. One of the petals with a tubercle. *Obs.* 5182. Specimen gathered by Mr. Hollehear, probably in Worcestershire.

*R. sanguineus*. *L. sp.* 476, who considers it as a native of Virginia.—*Huds.* 153. In a wood near Maidstone in Kent.—*Bot. arrang.* 370. *var.* 1.

*Lapathum sanguineum*. *Munt. phyt. t.* 196.

*Lapathum rubrum*. *Cam. epit.* 229, *cop. in*

*Lapathum sanguineum*, sive sanguis draconis *Herba. Bauh. J.* ii. 988.

*Lapathum rubens*. *Dod.* 639, *repr. in*

*Lapathum sanguineum*, Sanguis draconis. *Lob. ic.* i. 290, &

*Lapathum sativum*, sanguineum. *Ger. by Johns.* 390, & *cop. in*

*Lapathum silvestre*, III genus. *Dalech.* 603.

*L. folio acuto rubente*. *Raii syn.* 142. On the sides of roads and paths, probably from the rubbish of gardens. Found by Merret in woods about Hampstead.—*Boerh.* ii. 85. Native of Holland.

*Leaves* oblong, and oblongo-lanceolate, unequal at the base. *Obs.* 7673. Specimen gathered in the garden of Mr. Moseley who found the root in a wood at Glasshampton near Astley Worcestershire.

RUMEX *sanguineus*. *Krock. n.* 564. *Spielm.* 564.

*Lapathum sanguineum.* Dale 72. *Geoffr.* iii. 665.  
*Linn.* 114. *Rutty* 272. *Schoepf* 52.

*Patience rouge.* *Chom.* 586; *suppl.* 166.

♀ *viridis.* Leaves green. All the petals of the fruit with tubercles. *Obs.* 5183. In wet and dry ditches, and woods.—*Sibth. ox.* 118.

*R. sanguineus.* *Bot. arrang.* 370. *var.* 2.

*R. acutus.* *Huds.* 155. *Curt. lond.* iii. 21. *t.* 181.  
*Smith brit.* 391; *engl. t.* 724, where in the specific character he says the petals of the fruit are obscurely toothed, and in the description rarely toothed, while Mr. Sowerby in the figure has represented them as not toothed at all. Dr. S. assures us that it is *R. acutus* of the Linnaean herbarium, but it cannot be *R. acutus* of the *Sp. pl.* which is characterised with dentate valves, and of which in the 1st ed. of the *Fl. suec.* he supposed *R. maritimus* to be a variety.

*Lapathum folio acuto plano.* *Tourn. paris. add.* 2.  
*Vaill. paris.* 113.

*Lapathum acutum.* *Raii hist.* 175; *syn. ed.* ii. 56;  
*ed.* iii. 142.

*Lapathum viride.* *Dill. ap. Raii syn.* 141, where references are given to Buddle's herbarium; will probably be found to differ only in having fewer or smaller floral leaves.

*Oxylapathum.* *Fuchs.* 453. *c.* 176, *cop. in*

*Lapathum acutum, sive Oxylapathum.* *Bauh. J.*  
 ii. 987.

*Lapathum sylvestre, sive Oxylapathum.* *Dod.* 637,  
*repr. in.*

*Lapathum acutum, et Oxylapathum.* *Lob. ic.* i.  
 284, &

*Lapathum acutum.* *Ger. by Johns.* 338, is a copy

from Matthiolus, in which the flowers are represented as racemose.

*Lapathum folio acuto.* Munt. phyt. t. 189.

*Root*, the cortical part strawcoloured, the central part white slightly stained here and there with crimson. *Obs.* 5183.—*Flowers* of the branches with floral leaves. *Floral leaves* longer than the flowers. *Petals* when in flower obovato-oblong; margin entire. *Obs.* 5883.

*LAPATHUM acutum.* Pharm. austriaco-prov. 44.—Berg. 285. Dale 72. Krock. n. 566. Lew. by Dunc. 346. Linn. 114. Mill. Jos. 256. Murr. iv. 341. Vog. 219.

*Lapathum.* Alst. i. 509. Spielm. 564. Stoll med. iii. 158.

*Lapathum folio acuto.* Ruttj 271.

*Lapathum folio acuto plano.* Chom. 207. Geoffr. iii. 669.

*Oxylapathum.* Lew. ii. 41.

3. *RUMEX crispus.* Petals of the fruit cordate, dentato-crenate, obsoletely crenate, 1, 2, and 3 with a tubercle on the outer side; tubercles subrotundo-ovate. Leaves lanceolate, undulate. *Obs.* 1787. On the sides of roads.—*Obs.* 7863. On the banks of the Trent near Swarkstone bridge in Derbyshire.—*L. succ.* n. 314; sp. 476. Curt. lond. ii. 20. t. 104. Bot. arrang. 370. Smith brit. 391.

*Lapathum folio acuto crispo.* Raii syn. 141. Tourn. paris. 21. Vaill. paris. 113. Boerh. ii. 85.

*Lapathum longifolium crispum.* Munt. phyt. t. 190.

*Lapathum acutum crispum.* Tab. ic. 436. Bauh. J. ii. 988. No fig.



Root within yellow with purplish rings. *Obs.* 7863.

*RUMEX crispus.* *Krock. n.* 563.

*Lapathum folio acuto crispo.* *Alst. i.* 509. *Geoffr.* iii. 668. *Rutty* 272.

4. *RUMEX trisetiferum.* Petals of the fruit entire, with 3 bristles, with tubercles on the outer side. Leaves lanceolate. *From*  
*RUMEX crispus.* *Lour. i.* 269.

5. *RUMEX Hydrolapathum.* Petals of the fruit entire at the margin, ovate, with tubercles on the outer side; tubercles oblongo-lanceolate. Leaves lanceolate, glabrous. *Obs.* 1043. On the sides of rivers and ditches about Tamworth in Warwickshire.—*Huds.* 154. *Relh. n.* 286. *Bot. arrang.* 374. *Hort. kew.* ii. 483, translated in *Bot. arrang. ed. IV.* ii. 348. *L. a Willd.* ii. 251, who says he has seen recent plants both of this and *R. aquaticus*.—*Woodv.* 486. *t.* 178.

*R. aquaticus.* *Mill. Ph. dict. n.* 3. *Lightf.* 190, on the authority of Sibbald.—*Bot. arrang. ed. i.* 217. *Smith brit.* 394, who characterises it as having the petals of the fruit obsoletely graniferous, and the leaves cordato-lanceolate, but in his description all the petals of the fruit are said to have tubercles, but the tubercles sometimes to be obsolete, and the leaves lanceolate but the lowermost cordate at the base.—*Pollich. n.* 359, as he describes the leaves not as cordate but ovato-lanceolate. He probably examined it before the fruit was fully formed.—(*L. succ. n.* 315, *cop. in sp.* 479, must surely be a different plant as the petals



of the fruit are said to have no tubercles, and the leaves to be cordate. Hippolapathum. Dalech. 604 is an error for Hippolapathum silvestre. Dalech. 606, the leaves of which correspond with Linnaeus's specific character.—*Berg. mat. med.* n. 184, is described as having leaves cordato-oblong, alternate, the upper lanceolate.—*Roth germ.* ii. 425, is described as having cordato-lanceolate leaves, and the petals of the fruit as destitute of tubercles.)

R. Britannica. *Huds. ed. i. Willd. berol. n.* 402. In ditches at Spandau.

Lapathum palustre. *Tab. ic.* 437, *cop. in*

Lapathum maximum aquaticum, sive Hydrolapathum. *Bauh. J.* ii. 986. *Raii hist.* 171; *syn.* 140.

Lapathum aquaticum, folio cubitali. *Magn. monsp.* 149. *Tourn. paris.* 280. *Vaill. paris.* 113.

The great Water-Dock. *Med. mus.* i. 44. t.

Lapathum longifolium nigrum palustre, sive Britannica antiquorum vera, vel Hydrolapathum nigrum. *Munt. brit. t.* 1, *cop. in*

Britannica antiquorum vera. *Munt. phyt.* 39. t. 202.

Hydrolapathum magnum. *Ger.* 312. (*Ger. by Johns.* 389, *cop. in*

Hydrolapathum majus. *Park. theatr.* 1225 is R. Patientia.—*Blackw. t.* 490 is R. aquaticus.)

**HYDROLAPATHUM.** *Alst. i.* 510. *Cull. ii.* 39. *Dale* 72. *Lew. ii.* 43.

Lapathum aquaticum. *Geoffr. iii.* 675. *Lew. disp. by Dunc.* 346.

Lapathum aquaticum, folio cubitali. *Chom.* 546. *Rutty* 271.

Lapathum maximum aquaticum. *Mill. Jos.* 257.

Rhaponticum. *Spielm.* 637.

R. aquaticus. *Spielm.* 564.

Great Water Dock. *Bisset ess.* 70. 161.

6. **RUMEX Britannica.** Petals of the fruit entire at the margin. Leaves lanceolate. Stipulae vaginant, obsolete. *L. sp.* 476, from a specimen from Gronovius.—*Michaux* i. 217.

R. floribus hermaphroditis, valvulis integerrimis omnibus graniferis, foliis lanceolatis, vaginis obsoletis. *Gron. virg.* 55.

Britannica americana. *Munt. phyt. t.* 203. Lower leaves cordate.

**BRITANNICA.** *Schoepf* 52.

R. Britannica. *Berg.* 285. *Murr.* iv. 345.

Cancer Root. *Schoepf* 53?

7. **RUMEX obtusifolius.** Petals of the fruit with setaceous teeth, the outermost and sometimes all 3 with a tubercle. Leaves cordato-lanceolate. *Obs.* 5115. On the sides of roads.—*L. sp.* 479. Native of Sudermania. The character from plants with more obtuse leaves.—*Bot. arrang.* 372. *Curt. lond.* iii. 22. *t.* 168. *Smith brit.* 392. *Krock. n.* 567.

R. acutus. *L. succ. n.* 316; *sp.* 478, the character being probably formed from plants with more acute leaves.

R. floribus hermaphroditis, valvulis dentatis granuloincumbente notatis. *L. succ. ed. i. n.* 293. *a*

Lapathum. *Cam. epit.* 228.

Lapathum acutum, sive Oxylapathum. *Magn. mensp.* 149.

Lapathum vulgare, folio obtuso. *Raii hist.* 175; *syn.* 141.

*Lapathum folio minus acuto.* *Tourn. paris.* 478.

*Vaill. paris.* 113. *Lob. ic. i.* 285, repr. in

*Lapathum sylvestre, folio minus acuto.* *Ger. by Johns.* 388.

*Lapathum sylvestre magnum vulgare.* *Bauh. J. ii.* 984.

*Root* yellow, with sometimes a tinge of fleshcolour. *Flowers* of the branches without floral leaves. *Petals* when in flower oval, obsoletely dentate at the base. *Obs.* 5883. In meadows.—*Root* yellow with a purplish ring within. *Petals* of the fruit triangular, rather ovate above, in some flowers nearly entire at the margin. *Obs.* 7862. On the banks of the Trent near Swarkstone bridge in Derbyshire.

*LAPATHUM vulgare.* *Rutty* 272.

*Rhaponticum muscoviticum.* *Spielm.* 637.

*Lapathum folio minus acuto.* *Geoffr. iii.* 668.

8. *RUMEX pulcher.* *Petals* of the fruit dentate, mostly one of them with a tubercle. Radical leaves mostly panduriform. *From Willich & L. sp.* 477; *mont.* 369.

*Native* of Italy, Switzerland, France, Surry, Bedfordshire, Cambridgeshire, and Norfolk.

*LAPATHUM sinuatum.* *Geoffr. iii.* 665.

- a pandurifolius.* (Variation.) Leaves panduriform. *From authors.*

*R. pulcher.* *Bot. arrang.* 373. *Smith brit.* 393; *engl. t.* 1576. *Abbot n.* 278. Common in Bedfordshire.—*Northumb. guide i.* 34. On the ballast hills at Sunderland.—*Relh. n.* 143. *Gouan hort.* 187. Near Montpellier.

*R. floribus hermaphroditis, foliis lyratis.* *Guett.* ii. 7.

*Lapathum pulchrum bononiense sinuatum.* *Bauh.*

*J.* ii. 988. *Raii hist.* 174, in waste places and pastures about London, and in Switzerland;—*syn.* 142. *Tourn. paris.* 23. *Vaill. paris.* 113.

*Lapathum* ramis procumbentibus, seminis involucreto dentato, foliis inferioribus instar fidium. *Boerh.* ii. 85. In Holland.

*Lapathum* ramosum procumbens, pericarpio spinoso, folio fidium instar. *Hist. ox. s.* 5. *t.* 27. row 3. *f.* 13.

Fiddle Dock. *Pet. herb. t.* 2. *f.* 10.

♂ *integrifolius*. (Variation.) Leaves entire. *From*

*Lapathum* arvense subhirsutum, folio retuso, caule longius brachiato, capsula seminis crenata. *Tilli hort.* 93. *t.* 37. *f.* 2, a leaf; & *Willich obs. n.* 17; *ill. n.* 5.

2. *Flowers hermaphrodite, and polygamous. Petals of the fruit without tubercles.*

9. *RUMEX aquaticus*. Petals of the fruit entire at the margin. Leaves cordate, glabrous, acute. *L. succ. n.* 315; *sp.* 479. *Krock. n.* 568.

*Hippolapathum* silvestre. *Dalech.* 606.

(*Hippolapathum* hortense, sive *Rhabarbarum monachorum*. *Matth.* 449, *cop. in*

*Hippolapathum* hortense. *Dalech.* 607, &

*Hippolapathum*. *Cam. epit.* 232, with the addition of a branch in fruit, has ovato-elliptic leaves.)

*BRITANNICA*. *Pharm. succ.*

*Herba Britannica*. *Berg.* 283. *Linn.* 114. *Murr.* iv. 343.

*R. floribus hermaphroditis, valvulis integerrimis nudis, foliis cordatis glabris acutis.* *Cutl.* 436.



10. RUMEX *scutatus*. Flowers hermaphrodite. Leaves cordato-hastate. Stem slightly angular. *Obs.* 6473. In Mr. Sneyd's garden.—*L. sp.* 480. *Pollich n.* 360. In stony mountainous woods.—*Bot. arrang.* 375, note. *Roth germ.* ii. 426. On walls.—*Gouan hort.* 188; *monsp.* 135. *Krock. n.* 569.

*Oxalis rotundifolia.* *Dod.* 638, repr. in

*Oxalis sativa, franca, rotundifolia, repens.* *Lob. ic.* i. 292, &

*Oxalis franca, seu romana.* *Ger. by Johns.* 397, and cop. in

*Oxalis folio rotundiore repens.* *Bauh. J.* ii. 991. On walls.

*Oxalis rotunda.* *Dalech.* 605.

*Acetosa rotundifolia hortensis.* *Magn. monsp.* 4.

In the fissures of rocks on the summit of Mons Lupi.—*Raii europ.* 50. *Hist. ox. s.* 5. t. 28. f. 9.

*Acetosa romana rotundifolia.* *Munt. phyt. t.* 74.

Stem and leaves glaucous. *Obs.* 6473.—*Calyx* triphyllous. *Petals* 3. *Obs.* 6474. Specimen gathered by Mr. Hollefeare in a garden.

Native of the south of France and of the Palitinate; and found by Mr. Knowlton on a bed of gravel in the river Wharf near Kilnsay in Craven Yorkshire.

*ACETOSA rotundifolia.* *Berg.* 288. *Cartheus.* i. 410. *Linn.* 115.

*Acetosa rotunda.* *Lew.* i. 17.

*Acetosa rotundifolia hortensis.* *Alst.* i. 355. *Chom.* 205. *Vog.* 48. 173. 229.

*Acetosa romana rotundifolia.* *Dale* 73. *Mill. Jos.* 11.

*Acetosa et Oxalis rotundifolia seu hortensis.* Geoffr.  
iii. 27.

*R. scutatus.* Bryant 108.

*Acetosa hortensis rotundifolia.* Schrod. 524.

11. RUMEX *digynus*. Flowers hermaphrodite. Styles  
2. *L. succ. n.* 317; *sp.* 480. *Lightf.* 190. In  
the Highlands and the isles of Rum and Skye.—  
*Bot. arrang.* 375. *Smith brit.* 395; *engl. t.* 910.  
*Fl. dan. t.* 14.

*Acetosa digyna.* Mill. *Ph. dict. n.* 4. In York-  
shire and Westmorland.

*R. foliis orbiculatis emarginatis.* *L. lapp. n.* 132.

*Acetosa rotundifolia hortensis.* *Raii cat. ed. i.* 6.  
In dry watercourses among the mountains in  
Cumberland.

*Acetosa rotundifolia repens eboracensis, folio in medio  
deliquium patiente.* *Raii syn.* 143. Found by  
Lhwyd on Snowden and Cader-idris; by Lawson in  
Westmorland and Cumberland; and Fitzroberts in  
Longsledale near Buckbarrow well.

*Acetosa cambro-britannica montana.* *Scheuch. J.*  
*Jac. ii.* 55. In the alps of Switzerland, and the  
country of the Grisons.

*Stem* 7 inches long. *Leaves* reniform, mostly re-  
tuse, some emarginate. *Calyx* diphyllous; *phylla*  
oblong. *Petals* 2, obovate, greenish, one third  
longer than the calyx. *Germen* compressed; margin  
with a shallow border. *Styles* 2. *Obs.* 6472. Spe-  
cimen gathered by Mr. Salt at Buckbarrow well  
in Longsledale in Westmorland.—*Stem* to 14 inches  
long, erect. *Leaves* reniform, deeply emarginate.  
*Petals* of the fruit permanent, unguiculate, oval;  
without any tubercle, adpressed. *Seed* flat, brown,

subrotundo-reniform, emarginate at the end, nearly twice as long and 4 times as broad as the petals; the part immediately inclosing the nucleus lanceolato-rhomboidal; border somewhat membranaceous, with radiated fibres, thin, as broad as the nucleus, repandose at the margin. *Nucleus* ovate, acuminate, tawny, hardish, with a line along each side. *Obs.* 7833. In Mr. Knowlton's garden. July.—*Specimens* gathered by Mr. Gisborne on the top of Helvellyn, and in Gasca dale near Keswick Cumberland.

*Native* of the higher mountains of Lapland, Britain, and Switzerland.

*RUMEX* digynus. *Krock. n.* 570.

12. *RUMEX alpinus*. Flowers hermaphrodite, barren, and female. Petals of the fruit entire at the margin and glabrous. Leaves cordate, obtuse, rugose. *L. sp.* 480. *Hort. kew.* i. 486. (*Mill. Ph. dict. n.* 2 cannot be the plant as he describes the flowers as white, unless we suppose the description to have been made from memory, and that while he wrote it he was thinking of *Rheum rotundatum*.)  
*Lapathum foliis obtusis circa petiolum emarginatis, paniculis dense spicatis, vaginis maximis. Hall. hist. n.* 1587.  
*Rhabarbarum rotundifolium fimbriatum. Munt. phyt. t.* 200.  
*Hippolapathum rotundifolium, et Pseudo Rha recentiorum. Lob. ic. i.* 287, *repr. in*  
*Hippolapathum rotundifolium. Ger. by Johns.* 389, & *cop. in*  
*Hippolapathum rotundo folio. Dalech.* 606, &  
*Lapathum folio rotundo, alpinum. Bauh. J. ii.* 987, who found it on the mountains of the Grisons.



*Hippolapathum rotundifolium vulgare.* *Park. theatr.* 154, a leaf.

*Lapathum rotundifolium.* *Clus. pann.* 480. No fig.

*R. latifolius*, vulgo *Rha aestimatus.* *Clus. hist.* ii. 69, who observes that the root is not as represented in the figures but horizontal like that of *Acorus*. No fig.

**RHAPONTICUM.** *Spielm.* 638.

*Lapathum rotundifolium.* *Geoffr.* iii. 670.

*Rhabarbarum monachorum.* *Berg.* 282. *Cartheus.* ii. 395. *Krock. n.* 571. *Linn.* 115. *Murr.* iv. 346. *Vog.* 206.

*Hippolapathum.* *Dale* 72.

*Rhapontic.* *Neum.* ii. 125.

13. **RUMEX Acetosa.** Flowers polygamous. Leaves oblongo-sagittate; posterior angles straight. *Obs.* 4654. Specimen gathered in a meadow.—*L. succ.* n. 318; *sp.* 481. *Bot. arrang.* 375. *Huds.* 156. *Lightf.* 191. *Smith engl. t.* 127, lower leaves uncoloured; *brit.* 396. *Pollich. n.* 361. *Woodv. i.* 193. *t.* 69. male plant

*R. foliis oblongis sagittatis.* *L. lapp. n.* 130. *α*

*Lapathum acetosum vulgare.* *Raii syn.* 143.

*Acetosa pratensis.* *Boerh.* ii. 85. *Tourn. paris.* 1.

*Acetosa officinarum.* *Vaill. paris.* 2.

*Oxalis.* *Fuchs.* 454. *c.* 176, *cop. in Trag.* 315,

*Oxalis vulgaris folio longo.* *Bauh. J.* ii. 989, &

*Oxalis major.* *Dalech.* 604. *Cam. epit.* 230, *cop. in*

*Acetosa vulgaris.* *Park. theatr.* 742. *Raii hist.* 178.

*Oxalis Acetosa.* *Tab. ic.* 438.



*Female plant. Stem* to 3 feet long, erect. *Leaves* sagittate,  $1\frac{1}{2}$  to  $2\frac{1}{2}$  inches long, the posterior lobes varying in shape, sometimes acute, sometimes obtuse, mostly with 2 angles one even with the end of the petiole the other acute pointing backwards or laterally inwards. *Calyx* of the fruit reflex. *Petals* of the fruit cordato-subrotund, with a deflex appendage at the base on the outer side somewhat fleshy but scarcely to be called a grain, reticulate; margin repandose, erect, closing on the seed. *Seed* ovali-elliptic, shining, rufous and fuscous, one third shorter than the corolla; sides rather convex. *Obs.* 4654.

*hortensis.* (Variation.) Radical leaves to 6 and 8 inches long. *Obs.* 8144. In a garden.

*Stem* 2 feet long, erect. *Flowers* male and hermaphrodite. *Petals* oval. *Obs.* 8144.

*ACETOSA pratensis.* The leaves. *Pharm. lond.* —*Cartheus.* i. 410. *Chom.* 205; suppl. 66. *Lew.* i. 17. *Monro* iii. 5. *Rutty* 4.

*Acetosa.* *Pharm. suec.*—*Alst.* i. 354. *Berg.* 286. *Mead mon.* ii. 121. *Mill. Jos.* 9. *Murr.* iv. 348. *Quarin febr.* 15. 27. 142. 144. 344. 348. 381. 382. 241; *anim.* 274. *Vog.* 173. 229.

*Acetosa major sylvestris.* *Schrod.* 524.

*Acetosa nostras.* *Krock. n.* 572. *Linn.* 115.

*Acetosa vulgaris.* *Pharm. austriaco prov.* 15.—*Dale* 73. *Geoffr.* iii. 23.

*R. Acetosa.* The leaves. *Pharm. edin.*—*Bayen,* account from in *chir. rev.* vi. 338. *Bryant* 108. *Lew. disp. by Dunc.* 298. *Pearson, R.* i. 52.

*Lapathum acetosum.* *Rutty* 271.

*Oxalis, sive Acetosa.* *Vog.* 48.

*Sorrel.* *Mertens in phil. trans. abr. by Hutt.* xiv. 403. *Monro, Don. sold.* ii. 185.

✓ *alpinus*. Flowers hermaphrodite and male. Seed longer than the corolla. *Obs.* 7834. In Mr. Knowlton's garden.

*R. Acetosa*. *L. suec. n.* 318 β; *sp.* 481 δ

*R. floribus dioicis, foliis oblongo-sagittatis*. *L. ups.* 90.

*R. foliis oblongis sagittatis*. *L. lapp. n.* 130 β

*Oxalis silvatica maxima*. *Bauh. J.* ii. 990. No fig. On Mount Thuri near Geneva.—*Raii europ.* 300. In woody tracts near the highest tops of Thuri.—*Raii hist.* 178; *europ.* 196.

*Acetosa montana maxima*. *Raii europ.* 50, who says it is different from the larger garden Sorrel.—*Scheuch. J. Jac. it.* ii. 55. *Dill. ap. Raii syn.* 143. Found by Lhwyd on rocks on the sea coast at Harlech Merionethshire.—*Boerh.* ii. 85.

*Oxalis*. *Dod.* 637, repr. in

*Oxalis*, sive *Lapathum Oxalida Acetosa*. *Lob. ic.* i. 290, &

*Oxalis*, sive *Acetosa*. *Ger. by Johns.* 396, cop. in *Acetosa maxima germanica*. *Park. theatr.* 742, and *abr. in*

*Acetosa*. *Park. parad. t.* 485. f. 6.

*Acetosa maxima hispanica*. *Raii hist.* 178. under n. 2. In his garden at Cambridge.—*Munt. phyt. t.* 75.

*Stem* upwards of 3 feet long, branched, terete, striate, brittle. *Leaves* oblongo-sagittate, to 8½ inches long, 4 inches broad. *Flowers* racemose, verticillate, hermaphrodite and male. *Racemi* compound, to 20 inches long. *Calyx*, phylla oval. *Petals* quadrato-oval, veinless. *Styles* 3. *Seeds* elliptic, acute, triquetrous, whitish, containing a tawny kernel. *Obs.* 7834. July.

*ACETOSA* hispanica. *Linn.* 115.

*Acetosa montana maxima.* *Vog.* 48.

14. *RUMEX Acetosella.* Flowers dioecious. Leaves lanceolato-hastate. *L. suec. n.* 319; *sp.* 481. *Bot. arrang.* 376. *Curt. lond. v.* 29. *t.* 309. *Smith brit.* 396. *Krock. n.* 573.

*R. foliis lanceolatis hastatis.* *L. lapp. n.* 131.

*Lapathum acetosum repens lanceolatum.* *Raii syn.* 143.

*Acetosa arvensis lanceolata.* *Raii hist.* 180. *Tourn. paris.* 47, 378. *Vaill. paris. 2.* *Boerh. ii.* 86.

*Oxalis vervecina tenuifolia sinuata.* *Lob. obs.* 156, *repr. in ic. i.* 291,

*Oxalis tenuifolia.* *Ger. by Johns.* 397, & *cop. in*

*Acetosa minor lanceolata.* *Park. theatr.* 744.

*Oxalis minima.* *Trag.* 316. *Dod.* 639, *repr. in Ger. by Johns.* 398. *Dalech.* 604.

*Acetosa angustifolia elatior.* *Park. theatr.* 744. A male plant.

*Oxalis parva auriculata repens.* *Bauh. J. ii.* 992.

*Oxalis minor.* *Cam. epit.* 231.

*Acetosa sagittata alpina.* *Zanon. hist. t.* 5.

*Oxalis sive Acetosa minor.* *Matth.* 448, *cop. in*

*Oxalis minima I.* *Tab. ic.* 441.

*Acetosa lanceolata minima.* *Munt. phyt. t.* 76.

*Native of Europe from Italy to Lapland.*

*ACETOSELLA.* *Quarin febr.* 347. *Schoepf* 53.

*Acetosa arvensis.* *Dale* 73. *Lew. i.* 17. *Mill. Jos.* 10.



## 356. MELANTHIUM.

*Calyx* none. *Petals* 6, permanent. *Capsule* trilobular; cells polyspermous. *Obs.* 5384. *L.*

1. MELANTHIUM *cochinchinense*. Leaves triquetrous. Flowers solitary, axillary. *Petals* sessile. *Lour.* i. 268.

## 357. ARECA.

*Calyx* of the hermaphrodite flowers trigonous, of the female flowers triphyllous. *Petals* 3. *Nectarium* with 6 teeth, surrounding the base of the germen. *Drupe* fibrous, monospermous, obovate. *Obs.* 8538, from a drupe.—The account of the flower from Roxb.—*L. a Schreb.*—*L.*

Germen of the hermaphrodite flowers abortive. *From Roxb.*

Is the nectarium in the female flowers the rudiment of filaments?

1. ARECA *Fausel*. Folioles plicate, the terminal ones premorse. Drupes subrotundo-ovate. *From A. Cathecu. L. a Willd.* iv. 594; *sp.* 1659. *Roxb.* i. 54. t. 75.

*Palma* caudice altissimo ad imulum turgido, pinnis inferne vaginantibus, foliis angustis replicatis, fructu minori. *Browne* 342? Cultivated in Jamaica.

*Pinanga. Rumph.* i. 26. t. 4.

*Caunga. Rheede* i. 9. t. 5. 6. 7. 8.



*Palma arecifera*, nucleo versicolore moschatae simili.

*Pluk. phyt. t.* 309. *f.* 4, is probably a young plant raised from seed. No fructifications.

Faufel. *Lob. obs.* 641, two figures; *repr. in ic.* ii. 238,

A. sive Faufel. *Ger. by Johns.* 1520, the 2 lower fruits, with a fig. of the whole plant, *cop. from Dalech.* 1766, & all *cop. in*

*Nux* Faufel. *Park. theatr.* 1643.

A. vel Faufel sive *Avellana indiana versicolor.* *Park. theatr.* 1643. *Raii hist.* 1363.

*Avellana indica* Matthioli. *Dalech.* 1767, the two upper rows.

*ARECA.* *Mill. Jos.* 46.

*Palma arecifera.* *Dale* 270.

Betel tree. *Percival, Rob. ceyl.* 322.

2. *ARECA lutescens.* Folioles plicate, premorse. Drupes roundish, gibbous. *From L. a Willd.* iv. 595, *from*

*ARECA lutescens.* *Bory* 152.

3. *ARECA cuneifolia.* Folioles cuneiform. Drupes globoso-ovate, acute. *From*

A. humilis. *L. a Willd.* iv. 595, *from*

*PINANGA saxatilis oryzaeformis.* *Rumph.* i. 42. *t.* 7.

4. *ARECA spicata.* Folioles acute, lineari-lanceolate. Petioles and peduncles simple. Drupes globular, umbonate. *From L. a Willd.* iv. 595, *from*

*PINANGA globosa.* *Rumph.* i. 38. *t.* 5. *f.* 1. A.

5. *ARECA glandiformis.* Folioles acute, linear. Pe-

tiotes and peduncles simple. Drupes oblongo-cylindric. *From L. a Willd. iv. 595, from PINANGA silvestris glandiformis. Rumph. i. 38. t. 6.*

6. ARECA oleracea. Folioles acute, linear. Petioles and peduncles branched. Drupes oblong, incurvate. *From L. a Willd. iv. 596. L.—Hort. kew. iii. 476. Jacq. amer. 278. t. 170; 8vo ed. 357.*

*Palma altissima. Mill. Ph. dict. n. 4.*

*Palma pinnis inferne vaginantibus, caudice aequali annulato, fructu minori. Browne 343.*

*Palma altissima non spinosa, fructu pruniformi minore racemoso sparso. Sloane cat. 176.*

*Palma nobilis seu regalis jamaicensis et barbadensis. Raii hist. 1361.*

*Jocara. Marcgr. 133?*

*ARECA oleracea. Bryant 77. Wright in med. journ. viii. 293.*

7. ARECA sapida. *Forst. G. austral. n. 594.*

*A. oleracea. Forst. G. austral. n. 488?*

*ARECA sapida. Forst. G. escul. 66.*

*A. oleracea. Forst. G. escul. 66?*

8. ARECA globulifera. Folioles acute, linear. Petioles and peduncles branched. Drupes globoso-ovate. *From L. a Willd. iv. 596, from*

*PINANGA oryzaeformis. Rumph. i. 40. t. 5. f. 2. B. C. D.*

### 358. CHAMÆROPS.

*Calyx tripartite. Petals 3 Drupes 3, monospermous. L.*

In some plants only male flowers. *From L.*

1. CHAMÆROPS *humilis*. *L. sp.* 1657. *Hort. kew.* iii. 474. *Mill. Ph. dict. n.* 1.

*Palma humilis dactylifera, radice repente sobolifera, folio flabelliformi, pedunculo spinoso. Boerh. ii.* 169.

*Palma humilis hispanica spinosa et non spinosa. Raii hist.* 1369.

*Chamaerhiphes. Dod.* 808, *repr. in*

*Palmites. Lob. obs.* 640; *ic. ii.* 235; &

*Palmites, sive Chamaerhiphes. Ger. by Johns.* 1519; & *cop. in*

*Palma humilis, sive Chamaerhiphes. Park. theatr.* 1546.

*Palma humilis spinosa. Bauh. J. i. a.* 370,

*Chamaerhiphes, seu Palma humilis. Dalech.* 369, &

*Chamaerepis. Stap.* 108.

*Palma C. Plinii. Dalech.* 369, *cop. in*

*Palma C. Plinii, sive Chamaerhiphes spinosis foliis. Park. theatr.* 1546, &

*Palma humilis hispanica non spinosa. Bauh. J. i. a.* 370.

CHAMAERIPHES. *Dale* 272.

*Wild Dates. Clegh.* 39.

### 359. COCOS.

*Calyx* of the hermaphrodite flowers triphyllous; of the female flowers diphyllous. *Petals* of the hermaphrodite flowers 3; of the female flowers 6, in 2 rows. *Styles* of the hermaphrodite flowers 3, of the female flowers none. *Stigma* of the female

flowers trilobate. *Drupe* monospermous. *Nut* with 3 foramina at the base. *From Roxb.—L.*

1. *Unarmed.*

1. *COCOS butyracea*. Leaves pinnate; folioles simple. Peduncles solitary. *L. a Gmel. ii. 569. L. fil. suppl. 454.*

*Pindoba brasiliensibus. Raii hist. 1361.*

*Pindova. Pis. ind. 125. (The fig. repr. from Coccoiro. Pis. bras. 63. t. 62, lower fig.)*

*PINDOVA. Pis. bras. 62, upper fig. repr. in Carnaiba I. Pis. ind. 126.*

2. *COCOS nucifera*. Leaves pinnate; folioles replicate, ensiform. *L. sp. 1658. Hort. kew. i. 475. Roxb. i. 52. t. 73, Forst. G. austral. n. 487. Jacq. amer. 277. t. 169.*

*Palma Cocos. Mill. Ph. dict. n. 2.*

*Palma spadiceis alaribus, fructu maximo, caudice subaequali cicatriculis circularibus scabro, foliis ensiformibus replicatis pinnatis. Browne 341.*

*Palma indica coccigera angulosa. Boerh. ii. 170.*

*Palma indica coccifera angulosa. Raii hist. 1356.*

*Palma indica nucifera, Coccus dicta. Sloane cat. 132.*

*Palma indica major. Rumph. i. 1. t. 1. 2, the fruit; t. 3, a variation with branches.*

*Tonga. Rheede i. i. t. 1. 2. 3. 4.*

*Nux indica arbor. Ger. by Johns. 1522, cop. in*

*Palma vel Nux indica cocos ferens. Park. theatr. 1596, &*

*Palmae nuciferae arbor. Bauh. J. i. a. 375.*

*Palma elephantis Acostae. Dalech. app. 8, cop. in Bauh. J. i. a. 376.*



*Nux indica.* *Dalech.* 1761. *Cord. fol.* 193, p. 1.  
*Lob. obs.* 641, repr. in *ic.* ii. 237, and *Ger. by*  
*Johns.* 1522, & cop. in

*Fructus integer Nucis indicæ, Cocus dictus, et nux*  
*interior.* *Park. theatr.* 1597.

*Coco nut.* *Grew mus.* 197. t. 15. *Drupe and*  
*nut.*

*COCCOS.* *Spielm.* 119.

*Coccus.* *Dale* 269.

*C. nucifera.* *Bryant* 356. *Forst. G. escul.* 48.  
*Pearson R.* i. 72. *Wright in med. journ.* viii.  
 291.

*Palma coccifera.* *Cartheus.* ii. 165.

*Coco nut.* *Graing.* 28.

*Cocoa nut.* *Hume, J. in lett. & ess.* 215.

*Cocoa tree.* *Percival, Rob. ceyl.* 317.

*TODDY.* *Percival, Rob. ceyl.* 319.

*VINEGAR.* *Percival, Rob. ceyl.* 320.

*JAGGERY.* *Percival, Rob. ceyl.* 320.

*ARRACK.* *Percival, Rob. ceyl.* 320.

*TUAC.* *Hawkesw. voy.* iv. 361.

## 2. Spinose.

3. *COCOS fusiformis.* *Aculeato-spinose.* Stem fusi-  
 form. Leaves pinnate. Petioles and *spathæ*  
*spinose.* *Swartz. ind. occid.* 616.

*C. aculeata.* *Swartz. prodr.* 151. *Hort. kew.* iii.  
 476. (*Jacq. amer.* 8vo, 357, is supposed by  
*Swartz* to be a different species. Fruit described  
 as round.)

*Palma spinosa.* *Mill. Ph. dict. n.* 3.

*Palma pinnis et caudice ubique aculeatissimis, fructu*  
*majusculo.* *Browne* 344.

**Palma tota spinosa major, fructu pruniformi.** *Sloane cat.* 177; *hist.* ii. 119.

**Palma americana spinosa.** *Raii hist.* 1363.

**Hairi.** *Dalech.* 1844, *cop. in*

**Palma Hairi.** *Park. theatr.* 1667, &

**Palmae facie Hairi.** *Bauh. J. i. a.* 393.

**EBENUS aethiopica.** *Dale* 270.

## 360. ELAIS.

**Calyx hexaphyllous.** *Corolla* of the barren hermaphrodite flowers sexfid, of the female flowers hexapetalous. *Germina* in the barren hermaphrodite flowers 3, in the female flowers 1. *Drupe.* *Nut* with 3 foramina. *From L. a Schreb.—L.*

1. **ELAIS guineensis.** *L. mant.* 137, apparently from *Jacq. amer.* 280. *t.* 172, *cop. in pict.* 136. *t.* 257; 800, 360. *Linn. pflanzen syst.* i. 133. *t.* 3.

**Palma foliorum pediculis spinosis, fructu pruniformi luteo oleoso.** *Sloane cat.* 175; *hist.* ii. 113. *t.* 214. The head in fruit.

(**Palma tota spinosa, major, fructu pruniformi.** *Sloane cat.* 177; *hist.* ii. 119, is *Cocos aculeata*.)

**Palma caudice aculeatissimo, pinnis ad margines spinosis, fructibus majusculis.** *Browne* 343 is the Small Macaw tree.

**Palma altissima non spinosa, fructu pruniformi minore racemoso sparso.** *Sloane hist.* ii. *t.* 215, referred to by Adanson, is *Areca oleracea*. I suspect he noted down 215, in place of 214.)

**OLEUM palmae.** *Pharm. suec.—Linn.* 281.

324      HEXANDRIA.      362. Triglochin.

*Nemm.* ii. 67. *Monro* ii. 300; *sold.* ii. 200. *Murr.* v. 1.

Palma. *Woodv.* iv. 168.

Palma oleosa. *Dale* 269. *Lew.* ii. 177. *Mill. Jos.* 326.

Cocos butyracea. The fixed oil of the nut. *Pharm. edin.*—*Lew. disp. by Dunt.* 202. *Wright in med. journ.* viii. 293.

Palmae oleum sebaceum. *Berg.* 881.

*E. guineensis.* *Bryant* 248.

Palmarum oleum. *Linn. fil. suppl.* 456.

Palm oil. *Graing.* 10.

Palm tree, or Oily Palm. *Long* 740.

361. FLAGELLARIA.

*Calyx* sexpartite. *Corolla* none. *Berry* monospermous. *L.*

1. FLAGELLARIA *indica.* *L. sp.* 475. *Hort. kew.* i. 487. *Osborn.* ii. 59. *Lour.* i. 262.

Panambu-valli. *Rheede* vii. 99. *t.* 53.

PALMIJUNCUS *laevis.* *Rumph.* v. 120, *t.* 59. *f.* 1.

362. TRIGLOCHIN.

*Calyx* none. *Petals* 6. *Capsule* trilocular and sexlocular, opening at the base. *Obs.* 5026. *L.*

1. TRIGLOCHIN *sexloculare.* *Style* none. *Capsules* sexlocular. *Obs.* 4955. Specimen gathered at Freistone-shore near Boston Lincolnshire.

**T. maritimum.** *L. succ. n.* 322; *sp.* 483. *Bot. arrang.* 378. Salt marsh at Shirley Wich near Ingestre in Staffordshire.—*Smith engl. t.* 255; *brit.* 399. *Fl. dan. t.* 306. *Roth germ. i.* 159. In meadows and pastures near almost all the salt springs of Germany.—*Pollich n.* 365. An indication of the presence of muriated soda in the soil.

**T. fructu subrotundo.** *L. lapp. n.* 135.

**Gramen marinum spicatum.** *Raii syn.* 435. *Park. theatr.* 1278. *Lob. ic. i.* 16, repr. in

**Gramen aquaticum spicatum.** *Ger. by Johns.* 13, & cop. in

**Gramen spicatum cum pericarpis parvis rotundis.** *Bauh. J. ii.* 508.

**Gramen spicatum alterum.** *Bauh. Casp. theatr.* 82. (*Ger. by Johns.* 20, repr. from

**Gramen montanum spicatum.** *Clus. pann.* 717, which repr. in *hist. ii.* 219, and cop. in *Park. theatr.* 1162, &

**Gramen montanum spicatum, flore herbaceo, caule enodi.** *Bauh. J. ii.* 492, has a secundose spike.)

*Capsules elliptic.* *Obs.* 4955.

Native of Europe from Italy to Lapland.

**SODA.** *Murr. iv.* 287.

### 363. MEDEOLA.

*Calyx* none. *Petals* 6, revolute. *Berry* with 9 seeds. *Obs.* 8393. *L.*

1. **MEDEOLA verticillifolia.** Leaves verticillate. *Obs.* 8393. Specimen gathered by Dr. Cutler in New England.



*M. virginiana. L. sp. 483. Hort. kew. i. 489.*  
*Medeola. Gron. virg. 55. Cull. 437.*  
*MEDEOLA virginica. Bart. 39. Schoepf 53.*  
*M. vitginiana. Coxe 373.*

## 364. VERATRUM.

*Calyx none. Petals 6. Capsules 3. Seeds several.*  
*Obs. 3039. L.*

Some of the flowers with only the rudiment of a pistil.

1. VERATRUM *album. Racemus supradecompositus.*  
*Petals erect. L. sp. 1479. Hort. kew. iii. 422.*  
*Mill. J. ill. i. t. 98. Woodv. ii. 273. t. 100. Gmel.*  
*ii. 1. t. 1. Scop. carn. n. 1233. Host 540. Jacq.*  
*austr. t. 335.*  
*V. racemo supradecomposito, corollis erectis. Mill.*  
*Ph. ic. 181. t. 271.*  
*Helleborus albus exalbido flore. Clus. hist. i. 274,*  
*repr. in*  
*Helleborum album, sive Veratrum. Lob. obs. 167;*  
*ic. i. 311; &*  
*Helleborum, sive V. album. Dod. 379, cop. in*  
*Elleborus albus vulgaris. Park. theatr. 217, and*  
*repr. in*  
*Helleborus albus. Ger. by Johns. 440. Raii hist.*  
*168. 169. par. 1; europ. 142. In mountainous*  
*pastures near the top of Mount Jura not far from*  
*Geneva.—Bauh. J. iii. 633. f. 1, cop. from*  
*Elleborus candidus. Fuchs. 273, c. 105, which cop.*  
*in*  
*Elleborus albus. Trag. 409. Dalech. 1632.*

**VERATRUM** album. Root. *Pharm. edin.*—  
*Coste & Willem. in med. comment.* v. 298. *Lew.*  
*disp. by Dunc.* 321. *Murr. J.* i. 344. *Pearson,*  
*R.* i. 113. 212.

*Veratrum.* *Smyth in med. commun.* i. 207. *Mead*  
*mon.* i. 95. (*Cult.* 492, is probably *V. luteum.*)

*Helleborus* albus. *Pharm. lond.*—*Alst.* i. 456.  
*Berg.* 818. *Cull.* ii. 439, 543. *Dale* 176. *He-*  
*berd.* 106. 114. 117. 150. 338. *Herm.* 139. *Hill*  
 558. *Hillary* 356. *Lew.* i. 487. *Linn.* 263. *Mill.*  
*Jos.* 225. *Monro* iii. 131. *Murr.* v. 142; *J.* i.  
 268. *Ploucq. bibl.* i. 264. 419. *Pringle* 342.  
*Spielm.* 615. (*Schoepf* 152, is probably *V. lu-*  
*teum.*)

*Helleborus* albus, flore subviridi. *Chom.* 35. 146;  
*suppl.* 16.

*Elleborus* albus. *Cartheus.* ii. 259. *Rutty* 174. *Un-*  
*derw.* ii. 17. *Vog.* 193.

*Helleborum* album. *Geoffr.* ii. 67.

White Hellebore. *Darw.* ii. 744. *Monro, Don.*  
*sold.* ii. 267. *Neum.* ii. 103. *Underw.* i. 279.

2. **VERATRUM** *nigrum.* Racemus compound. Co-  
 rolla very patent. *L. sp.* 1479. *Hort. kew.* iii.  
 422. *Scop. carn. n.* 1234. *Host* 540.

*V.* flore atro-rubente. *Boerh.* i. 296.

*Elleborum* album floribus atrorubentibus, praecox.  
*Lob. obs.* 167, repr. in

*Helleborum* album floribus atrorubentibus praecox.  
*Lob. ic.* i. 311, & cop. in

*Helleborus* albus vernus, atrorubentibus floribus.  
*Park. theatr.* 217. *Raii hist.* 168.

*Helleborus* albus praecox. *Ger. by Johns.* 440.

Germen with 3 angles and 3 cells. *Obs.* 1392.  
 In a garden.

*HELLEBORUS* albus flore atrorubente. *Chom.* 35.

*Helleborus* albus. *Linn.* 263. *Murr.* v. 142.

3. *VERATRUM luteum.* Racemus simple. Leaves sessile. *L.—H. K.* iii. 422.

*V. racemo simplicissimo, foliis sessilibus.* *Griseb. virg.* 158.

*Reseda. Gron. virg. ed. i.* 59.

*VERATRUM luteum. Schoepf* 152.

4. *VERATRUM Sabadilla.* Racemus simple. Flowers secundose. *From Retz. obs. i.* 81. (misprinted 29.) *n.* 107, from a specimen found with the drug.

*Ytzcuintpatli. Hern.* 307.

*Cevadilla. Monard. ap. Clus. exot.* 341. No fig.

*Hordeolum. Dalech.* 1907, *cop. in*

*Cevadilla, sive Hordeolum causticum americanum. Park. theatr.* 1625, the 2 seed vessels. (The entire plant *cop. in*

*Hordeum causticum. Bauh. Cusp. theatr.* 467, *Hist. ox.* iii. 206. *s.* 8. *t.* 6. row 3. *f.* 5, &

*Hordeum urens novae hispaniae. Bauh. J.* ii. 431, is believed by the commentator on Hernandez to have been manufactured from the descr. of Monardes.)

*CEVADILLA. Dale* 262. *Lew.* i. 318. *Loeffler, account from in chir. rev. i.* 490; *med. rev. ii.* 576, and *Underw. i.* 152. *Med. rev. iii.* 332.

*Sabadilla. Pharm. austriaco-prov.* 62; *succ.—Lew. disp. by Dunc.* 349. *Quarin animad.* 27.

*Sabadillum. Linn.* 263. *Monro* iii. 242. *Murr.* v. 166. *Ploucq. bibl. i.* 429. *Spielm.* 486. *Vog.* 171.

Sabidillum. *Berg.* 822.

V. Sabadilla. *Schoepf* 152.

### 365. TRILLIUM.

*Calyx* triphyllous. *Corolla* of 3 petals. *Berry* with 3 cells. *L.*

1. *TRILLIUM cernuum*. Flower on a peduncle, cernuous. *L. sp.* 484. *H. K.* i. 490. *Curt. mag.* t. 594. *Smith spicil.* 4. t. 4. *Michaux* i. 216. Petals pale pink.

*Solanum triphyllon*, flore hexapetalo carneo. *Catesb.* i. t. 45. Leaves represented as nervose.

*TRILLIUM cernuum*. *Schoepf* 53.

### 366. COLCHICUM.

*Corolla* infundibuliform; limb sexpartite, shorter than the tube. *Germina* 3, united at the base, superior. *Styles* 3. *Capsules* 3, inflated, coalescing into 1. *Obs.* 7885 and from *Juss.* *Roth & L.*

Differs from *Crocus* in the number and situation of the germina and styles.

1. *COLCHICUM autumnale*. Leaves flat, lanceolate, erect. Segments of the corolla oblong. *Obs.* 7885. Flowers in Mr. Knowlton's garden.—*L. sp.* 485, *cop. in Smith brit.* 399; *engl. t.* 133, root and unexpanded flower not coloured.—*Bot. arrang.* 379, where at l. 10 read Shafts 3.—*Woodv.* 483. t. 177, with a portion of a leaf un-



330      HEXANDRIA. 366. Colchicum.

coloured.—*Lightf.* 192. *Huds.* 175. *Storck t. repr. in Spalows.* 36. t. *Asso n.* 332. *Northumberl. guide* 35. In Durham.

C. commune. *Tourn. paris.* 260. *Vaill. paris.* 39. *Raii hist.* 1170. 1172. par. the last;—*syn.* 373, who says it grows in mountainous as well as flat meadows in the west and north of England.—*Deering cat.* 57; *nottinghamsh.* 90. In Nottingham meadows.—*Boerh.* ii. 117.

C. anglicum purpureum. *Park. parad.* 153. No fig.—*Ger. by Johns.* 157. repr. from

C. sive Ephemerum strangulatorium. *Lob. obs.* 169, which repr. in

C. sive Ephemerum strangulatorium crocifolium. *Lob. ic. i.* 143, &

Colchicum. *Dod.* 457. *Cam. epit.* 845. *Fuchs.* 356. 357, fol. ed. cop. in 351. c. 135; the flowers cop. in *Bauh. J.* ii. 648, who observed it not only in meadows but on Mount Rossberg near Masmunster; and the flowers and leaves *abr. in*

Colchicon, officinis Hermodactylus. *Trag.* 759, which repr. in

C. nigrum. *Cord. fol.* 163. p. 1.

Native of Spain, Portugal, Italy, France, Germany, Hungary, and Britain in several counties as *Monteith*, Durham, the south of Yorkshire and Derbyshire, Nottinghamshire, Shropshire, Worcestershire, Warwickshire, Gloucestershire, Somersetshire, Oxfordshire, Northamptonshire, Bedfordshire, Suffolk, and Middlesex, in sound rich meadows on the sides of rivers abundantly, but not in many places. It is not noticed as a native of Holland, the Low Countries, or the fenny counties of England.

COLCHICUM. The fresh root. *Pharm. lond.* —*Berg.* 289. *Collin obs.* ii. 1. *Dale* 246. *Geoffr.*

iii. 349. *Haen in med. mus.* iii. 438. 441. *Krock. n.* 577. *Lew.* i. 355. *Linn.* 116. *Monro* iii. 71. *Murr.* v. 193. *Ploucq. bibl.* i. 655. *Quarin anim.* 168. *Spielm.* 481. *Vog.* 234.

*C. autumnale.* The root. *Pharm. edin.—Lew. disp. by Dunc.* 203. *Murr. J.* i. 303; ii. 53. *Pears. R.* i. 143.

*C. commune.* *Chom. suppl.* 21.

2. *COLCHICUM illyricum.* *Gron. orient.* 46. n. 122, who refers to Rauwolf, but I do not find it mentioned in Staphorst's translation. About Aleppo.—*Bauh. Casp. pin.* 68. *Ger. by Johns.* 160, cop. in *Tab. ic.* 617; repr. from

*C. illyricum sive graecum non venenatum Anguillarae.* *Lob. obs.* 71, (misprinted 73) which repr. in *ic.* i. 147; & cop. in

*C. illyricum sive graecum, non venenatum.* *Dalech.* 1574, &

*C. illyricum sive graecum, non venenatum, flore luteo.* *Bauh. J.* ii. 660, where it appears that the roots were dug up at Aleppo, and sent to Venice.

*Hermodactyli non venenati officinarum.* *Lob. ic.* i. 146, repr. in

*Hermodactyli officinarum.* *Ger. by Johns.* 164. The roots.

*C. minus malignum, sive Hermodactylus officinarum.* *Bauh. J.* ii. 658. The roots.

*HERMODACTYLUS.* *Alst.* i. 461. *Berg.* 292. *Boerh.* 595. *Cartheus.* ii. 425. *Chom.* 61. *Dale* 245. *Geoffr.* ii. 79. *Lew.* i. 494; disp. by *Rother.* 170. *Linn.* 48. *Mill. Jos.* 230. *Murr.* v. 215. *Raii hist.* 1172. n. 11. *Rutty* 235. *Spielm.* 635. *Vog.* 198.

*Hermodactyli.* *Herm.* 113.

Hermocrates. *Pomet* i. 210.

Hermocrates. *Tourn.* i. 167, who says that he often met with the plant in Asia Minor, with the leaves and fruit of *Colchicum*, but probably never having seen it in flower he has not enumerated it in his botanical works.

Hermodactyl. *Neum.* ii. 114.

### 367. APONOGETON.

*Calyx* none. *Petals* 2. *Stamina* 6, 11 to 19. *Capsules* 3 to 5. *Seeds* 3 to 8. *From L. the son, and Roxb.*

1. APONOGETON *monostachyon*. Spike simple. Leaves lanceolato-cordate *From Roxb.*—*L. fil. suppl.* 214. *Andr. rep.* vi. t. 406, has oblong leaves.

*Saururus natans.* *L. mant.* 227.

*Parua Kelanga.* *Rheede* xi. 31. t. 15.

APONOGETON *monostachyon.* *Roxb.* i. 58. t. 81.

2. APONOGETON *distachyon*. Spike bifid. Leaves linear-oblong. *Petals* entire. *From H. K.* i. 495. *Andr. rep.* v. t. 290.

APONOGETON *distachyon.* *L. fil. suppl.* 215.

### 368. HELONIAS.

*Calyx* corollaceous, pentaphyllous, permanent. *Capsule* tricoccus, the lobes opening on the outer side. *Seeds* many in each cell. *Obs.* 7777. *L.*

1. *HELONIAS scapigera*. With a scapus. *Obs.* 7777. In Mr. Knowlton's garden.

*H. latifolia*. *Michaux* i. 212.

*H. bullata*. *L. a Murr.* 349; *sp.* 485; *amoen.* iii. 12. *t.* 1. *f.* 1. *Hort. kew.* i. 491. *Gawler in bot. mag.* t. 747. *Andr. rep.* t. 352.

*Veratrum racemo simplicissimo, corollis patentibus, staminibus longioribus.* *Mill. Ph. ic.* 181. t. 271.

(*Ephemerum phalangoides virginianum*, flosculis arbutis bullatis in spicam dispositis. *Pluk. phyt. t.* 174. *f.* 5, the scapus *cop. in Hist. ox.* iii. 606. *s.* 15. *t.* 2. *row* 3. *f.* 1, is a plant meriting the trivial name of bullata from what seem to be glands on the calyx, and which is supposed by Michaux to be his and Walter's *Aletris aurea*.)

*Leaves* spatulato-lanceolate, glabrous, to 11 inches long, perennial. *Scapus* erect, attenuate, fistular, from 9 inches to 1½ foot long, with stipulae. *Stipulae* ensiform, adpressed, gibbous at the base. *Racemus* terminal, oblong. *Calyx* pink, at length greenish tinged with brown; phylla lanceolato-spatulate. *Styles* recurvate. *Capsule* somewhat shorter than the calyx; lobes oblong, patulous, greenish tinged with brown. *Obs.* 7777.

*HELONIAS bullata.* *Schoepf* 54.

## POLYGYNIA.

### 369. ALISMA.

*Calyx* triphyllous. *Petals* 3. *Capsules* monospermous. *Obs.* 4090. *L.*



1. *Capsules in a circle.*

1. **ALISMA** *paniculatum*. Leaves ovate and cordate, acute. Fruit depressed, obtusely trigonous. Capsules rounded at the end. *Obs.* 4090. In shallow pools.

**A.** *Plantago aquatica*. *L. suec. n.* 323; *sp.* 486. *Curt. lond. v.* 27. *t.* 318. *Krock. n.* 578. *Fl. dan. t.* 561.

**A.** *Plantago*. *L. a Murr.* 350. *Bot. arrang.* 381. *Smith brit.* 400; *engl. t.* 837.

**A.** fructu obtuse trigono. *L. lapp. n.* 138.

*Damasonium ampliore folio, paniculatum.* *Vaill. paris.* 46.

*Ranunculus palustris, plantaginis folio ampliore.* *Tourn. paris.* 298.

*Plantago aquatica latifolia.* *Boerh. i.* 45.

*Plantago palustris sive aquatica.* *Tab. ic.* 734.

**A.** sive *Plantago aquatica.* *Fuchs. c.* 12. 42, *cop. in*

*Plantago aquatica.* *Dalech.* 1057, and *Bauh. J.* iii. 787. *Cam. epit.* 264. *Trag.* 226. *Raii hist.* 618; *syn.* 257. *Dod.* 596, *repr. in Lob. obs.* 160,

*Plantago aquatica, foliis betae aut plantaginis, flore gallii albi.* *Lob. ic. i.* 300, &

*Plantago aquatica major.* *Ger. by Johns.* 417, and *cop. in Park. theatr.* 1245.

Leaves ovate, cordate at the base, septemnervose. *Obs.* 4090.

**PLANTAGO** *aquatica.* *Dale* 162. *Ranoe in act. haun. i.* 388.

*Damasonium.* *Vog.* 128.

2. ALISMA *Sagittaria*. Leaves sagittate. *Obs.* 1006.  
Near Tamworth in Warwickshire.

*Sagittaria sagittifolia*. *L. sp.* 1410; *succ. n.* 869.  
*Bot., arrang.* 1079. *Fl. dan. t.* 172. *Walc. t.*  
*Smith engl. t.* 84; *brit.* 1023.

*Sagittaria foliis sagittatis*. *L. lapp. n.* 344.

α *rotunda*. Bulbs round. *From*  
*Swedish Arrowhead*. *Osb. i.* 334.

*Sagitta aquatica minor latifolia*. *Vaill. paris.* 175.

*Sagitta aquatica minor angustifolia*. *Vaill. paris.*  
175.

*Sagitta major*. *Tab. ic.* 743. *Dod.* 577, *repr. in*

*Pisana Magonis*. *Lob. obs.* 161; *ic. i.* 301,

*Sagittaria major*. *Ger. by Johns.* 416, & *cop. in*

*Sagittaria major latifolia*. *Park. theatr.* 1247.

*Sagitta*. *Cord. fol.* 87. *p.* 1. *Bauh. J.* iii 789.

*Raii syn.* 258. *Boerh. i.* 45.

*Sagitta minor*. *Tab. ic.* 743. *Raii hist.* 619, 1920,  
1944. *Dod.* 577, *repr. in Lob. obs.* 161,

*Sagittaria minor*. *Lob. ic. i.* 302, & *Ger. by Johns.*  
416.

*Sagittaria minor latifolia*. *Park. theatr.* 1247.

*Ranunculus palustris, folio sagittato minori*. *Tourn.*  
*paris.* 524.

*Gramen bulbosum aquaticum*. *Raii hist.* 1311, *par.*  
*the last but 2.*

*Stamina many*. *Flowers, the lower female*. *Obs.*  
4396.

*SAGITTARIA sagittifolia*. *Bryant* 13.

*Sagitta*. *Boerh.* 70. *Dale* 162.

β *oblonga*. Bulbs oblong. *From*

*Sagittaria bulbis oblongis*. *Osb. i.* 334. *In China.*

*SAGITTARIA sagittifolia*. *Bryant* 13. *Schoepf*  
136.

*Sagittaria sagittata*. *Thunb. jap.* 242.

## Class. 7.

## HEPTANDRIA.

## Order 1.

## MONOGYNIA.

1. *Flowers complete.* L. a Willd.

370. *ÆSCULUS.* *Calyx* quisquedentate. *Corolla* pentapetalous, unequal. L.  
 371. *JONESIA.* *Calyx* diphyllous. *Corolla* infundibuliform. Legumes. From Willd.

2. *Flowers incomplete.* L. a Willd.*Petiveria alliacea.*

372. *GONIATICUM.* *Calyx* none. *Corolla* quinquepartite. From Lour.  
 374. *DRACONTIUM.* *Calyx* none. *Petals* 5.  
 375. *STELANTHES.* *Calyx* none. *Petals* 7. From Lour.

## Order 2.

## TETRAGYNIA.

375. *SAURURUS.* *Calyx* and *Corolla* none. *Germina* and *Berries* 4. From L.

## MONOGYNIA.

## 370. AESCULUS.

*Calyx* monophyllous, ventricose, quadridentate and quinqueidentate. *Petals* 4 and 5, inserted into the calyx. *Capsule* trilocular. *From L.*

1. *AESCULUS septenata*. Leaves septenate. *Obs.* 8380. Specimen gathered in a public walk.

*A. Hippocastanum*. *Hort. kew.* i. 493. *L. sp.* 488. *Mill. J. illustr.* i. t. 23. *Woodv.* ii. 349. t. 128.

The horse Chesnut tree. *Evel. by Hunt.* i. 159. t. Esculus. *L. ups.* 92. *Royen* 463.

*Hippocastanum vulgare*. *Boerh.* ii. 230.

*Castanea equina folio multifido*. *Bauh. J.* i. b. 128, cop. from *Clus. pann.* 6, which repr. in *hist.* i. 8, *Dod.* 802, *Lob. obs.* 588, and *ic.* ii. 161, and cop. in *Dalech.* 33. *Raii hist.* 1688. *Park. theatr.* 1400, the fruit in its earlier stage; the separate racemus capsule and seed cop. from *parad.* t. 597. f. 2,

*Castanea equina cum flore*. *Ger. by Johns.* 1442, and

*Castaneae equinae fructus*. *Ger. by Johns.* 1442.

*HIPPOCASTANUM*. *Dale* 334. *Lew.* i. 496.

*Murr.* iv. 62. *Ploucq. bibl.* i. 420. 462. *Schumacher*, account from in *phys. journ.* vii. 81; and *med. rev.* vii. 280. *Vog.* 297. *Zannichelli*, account from in *med. ess.* vi. 377.

*A. Hippocastanum*. Seed. Bark. *Pharm. edin.*



338 HEPTANDRIA. 372. Goniaticum.

—Coste and Willem. in med. comment. v. 298.  
 Krock. n. 581. Lew. disp. by Dunc. 128. Murr.  
 J. i. 348. Pearson, R. ed. ii. 345. 366.  
 Maronnier d'Inde. Chom. 136; suppl. 46. Cusson,  
 account from in med. comment. dec. II. vii.  
 125.

371. JONESIA.

*Calyx* diphyllous. *Corolla* infundibuliform; tube  
 closed at the base; limb quadrid. *Nectarium*  
 a ring surrounding the mouth of the tube of the  
*corolla*. *Stamina* ascending, inserted into the  
*nectarium*. *Germen* pedicellate, inserted into the  
*nectarium*. *Legumen*. From

1. JONESIA *Asoca*. Roxb. in asiat. research. iv.  
 368. References to a plate which wanting in my  
 edition, and no plate is referred to in  
*J. pinnata*. L. a Willd. ii. 287.  
*ASJOGAM*. Rheede v. 117. t. 59.

372. GONIATICUM.

*Calyx* none. *Corolla* campanulate, quinquepartita.  
*Sced* 1, superior, naked. From  
*Lagunea*. Lour.

1. GONIATICUM *solitarium*.  
*LAGUNEA cochinchinensis*. Lour. i. 279.

373. STELANTHES.

*Calyx* none. *Corolla* inferior, cylindric, petals 7.

*Drupe*. *Nut* bilocular. *From*

*Stylidium*. *Lour.*

1. STELANTHES *solitarius*.

*STYLIDIUM chinense*. *Lour. i.* 273.

374. DRACONTIUM.

*Calyx* none. *Petals* 5. *Berry* with many seeds.  
*From L.*

1. DRACONTIUM *pertusum*. Leaves pierced. Stem

climbing. *L. sp.* 1372. *Hort. Kew.* iii. 318.

*Forst. G. austr.* n. 331.

*D. foliis pertusis, caule scandente.* *Mill. Ph. ic.*  
177. v. 236.

*Arum hederaceum, amplis foliis perforatis.* *Phan.*  
*pl. d'amer.* 40. t. 56. 57.

*Lignum colubrilium* L. *Dalech.* 1911.

*DRACONTIUM pertusum.* *Bart. 22. Coxe* 371.

2. DRACONTIUM *polyphyllum*. Leaves suprad-

composito-pedate. *From L. a Willd.* ii. 288; *sp.*

1372. *Forst. G. austral.* n. 330.

*Dracontium americanum*, scabro puniceo caule, ra-  
dice cyclaminis. *Herm. par.* 93.

*Arum polyphyllum*, caule scabro punicante. *Herm.*  
*par. t.* 93.

*Arum polyphyllum surinamense*, caule atrorubente

glabro et eleganter variegato. *Pluk. phyt. t. 149. f. 1.*

*DRACONTIUM* polyphyllum. *Forst. G. escul. 61. Thunb. jap. 234.*

## TETRAGYNIA.

### 375. SAURURUS.

*Bractea* uniflora. *Calyx* and *corolla* none. *Germi-  
na* 4. *Berries* 4, monospermous. *From L.*

1. *SAURURUS cernuus. L. sp. 489; a Murr. 353.  
Hort. kew. ii. 495.*

*Saururus. L. ups. 91. Gron. virg. 56.*

*S. foliis* profunde cordatis ovato-lanceolatis, *spicis*  
solitariis propendentibus folio brevioribus. *Royen*  
8.

*Serpentaria repens*, floribus stamineis spicatis, *bryo-  
niae nigrae* folio ampliore pingui. *Pluk. phyt.*  
*t. 117. f. 3.*

*SAURURUS cernuus. Chisholm 25.*

## Class 8.

## OCTANDRIA.

## Order 1.

## MONOGYNIA.

1. *Flowers complete, inferior, monopetalous.*399. **HEDVIGIA.***Corolla* quadrifid. *Calyx* quadridentate. *Capsule* tricoccous. *From Swartz.*396. **ERICA.***Corolla* quadrifid. *Calyx* tetraphyllous quadripartite and quadrifid. *Capsule* quadrilocular. *Obs.* 4133.391. **CHLORA.***Corolla* octofid. *Calyx* octophyllous. *Capsule* unilocular, bivalve, polyspermous. *L.*2. *Flowers complete, inferior, tetrapetalous.*390. **AMYRIS.***Calyx* quadridentate. *Berry* monospermous. *L.*388. **GUAREA.***Calyx* quadridentate. *Nectarium* cylindric. *Cap-*



- sule quadrilocular, quadrivalve. *Seeds* solitary. *L.*
377. OSBECKIA. *Calyx* quadrifid. *Antherae* rostrate. *Capsule* quadrilocular, invaginated by the tube of the calyx; cells polyspermous. *From Osb.*
385. XYLOCARPUS. *Calyx* quadridentate. *Nectarium* octofid. *Drupe* dry. *L. a Willd.*
393. LAUSONIA. *Calyx* quadrifid. *Berry* quadrilocular. *L.*
403. SAPINDUS. *Calyx* tetraphyllous and pentaphyllous. *Petals* with a linear appendage at the base. *Drupae* 1 to 3, united at the base. *Obs.* 8424.
401. ORNITHOGALUM. *Calyx* quadripartite. *Germina* didymous. *Drupae* 1 to 2. *From Juss.*
381. ANTICHORUS. *Calyx* tetraphyllous. *Capsule* quadrilocular, subulate.
386. MELIOCCA. *Calyx* tetraphyllous. *Petals* deflex. *Stigma* subpelate. *Berry* mostly monospermous. *Obs.* 8376.
382. JAMBOLIFERA. *Calyx* quadrifid. *Drupe* monospermous. *From Vahl.*
384. MIMUSOPS. *Calyx* hexaphyllous and octophyllous. *Corolla*, limb

double. *Nectaris* 6 and 8. *Germen* octospermous. *Berry* mostly monospermous. *From Roxb.*

3. *Flowers complete, inferior, pentapetalous.*

376. *TROPAEOLUM.* *Calyx* quadrifid, calcarate. *Obs.* 6093.

402. *SCYTALIA.* *Calyx* semiquinquefid. *Stigmata* 2. *Drupae* 1 to 2. *From Juss.*

383. *AKEA.* *Calyx* pentaphyllous. *Style* simple. *Capsule* trilocular; cells monospermous. *From Brought.*

387. *HAGENIA.* *Calyx* pentaphyllous, longer than the corolla. *Stigma* capitate. *From Bruce.*

390. *ACER.* *Calyx* quinquefid. *Capsules* 2 and 3, monospermous, winged. *Obs.* 5471.

4. *Flowers complete, superior, monopetalous.*

395. *VACCINIUM.* *Calyx* quadridentate. *Filaments* inserted into the receptacle. *Berry.*

5. *Flowers complete, superior, tetrapetalous.*

394. *MEMECYLON.* *Calyx* entire and quadrifid. *Berry* monospermous. *From Roxb.*

378. *Jussiaea*. *Calyx* quadrifid and quinquefid, permanent. *Capsule* quadrilocular and quinquelocular. *From L. and Juss.*

379. *Oenothera*. *Calyx* hypocrateriform; limb quadripartite. *Capsule* quadrilocular. *Obs.* 5220.

380. *Epilobium*. *Calyx* quadripartite and tetraphyllous. *Capsule* quadrilocular. *Seeds* papose. *Obs.* 1061.

6. *Flowers calycine.*

396. *Dirca*. *Calyx* corolline, without a limb; margin unequal. *Stamina* projecting. *L.*

397. *Daphne*. *Calyx* quadrifid, corolline; segments equal. *Stamina* inclosed. *Drupe* monospermous. *From Willd.*

399. *Petiveria*. *Calyx* tetraphyllous. *Capsule* not opening, monospermous, with 4 hooks at the end. *Obs.* 8579.

392. *Dodonaea*. *Calyx* tetraphyllous. *Capsule* trilocular. *Obs.* 8421.

Order 2.

DIGYNIA.

404. *Chrysosplenium*. *Corolla* none. *Calyx* qua-

drifid and quinquefid, coloured. *Capsule* unilocular. *Obs.* 6972.

## Order 3.

## TRIGYNIA.

## 407. PAULLINIA.

*Corolla* tetrapetalous. *Calyx* pentaphyllous. *Capsule* trilocular. *From L.*

## 405. POLYGONUM.

*Corolla* none. *Calyx* quinquepartite quadripartite and tripartite. *Seed* 1, naked. *Obs.* 4148.

## 406. COCCOLONA.

*Corolla* none. *Calyx* quinquepartite. *Berry* monospermous, formed from the calyx. *L.*

## Order 4.

## TETRAGYNIA.

## 409. DIOSPYROS.

*Corolla* inferior, monopetalous. *Berry.* *From L.*

## 410. PARIS.

*Corolla* inferior, tetrapetalous. *Berry.* *Obs.* 6293.

## 408. ADOXA.

*Corolla* semiinferior, monopetalous. *Obs.* 5652.



## MONOGYNIA.

## 376. TROPAEOLUM.

*Calyx* monophyllous, with a spur. *Petals* 5, unequal. *Berries* 3, fleshy, monospermous. *Obs.* 6093. *L.*

1. *TROPAEOLUM repandifolium*. Leaves peltate; lateral angles emarginate. *Petals* obtuse. *Obs.* 6093. In a garden.

*T. majus*. *L. sp.* 490; a *Murr.* 357. *H. K.* ii. 1. *Curt. mag.* t. 23.

*Tropaeolum*. *Browné* 207. Whether a native of Jamaica uncertain.

*T. foliis subquinculobis, petalis obtusis*. *L. ups.* 93.

*Acriviola maxima odorata*. *Boerh.* i. 244.

*Viola indica scandens, nasturtii sapore, maxima odorata*. *Herm. hort.* 628. t. 629.

*TROPAEOLUM majus*. *Bryant* 153.

*Cardaminum*. *Carthews.* ii. 267. *Dale* 134.

*Cardamum, sive Nasturtium indicum*. *Geoffr. suite* i. 152.

*Nasturtium indicum*. *Berg.* 293. *Linn.* 117. *Murr.* iv. 77. *Schoepf* 56. *Vog.* 133.

*Cardaminum ampliori folio et majore flore*. *Chom.* 536.

2. *TROPAEOLUM dentatifolium*. Leaves peltate, dentate. *Petals* mucronate. *From*

**MONOGYNIA. 377. Osbeckia. : 367**

*N. minus.* *Curt. mag. t. 98. L. sp. 490; a Murr.*  
*357. H. K. ii. 1.*

*T. foliis integris, petalis acuminato-estaceis. L.*  
*ups. 93.*

*Altr. viola. Boerh. i. 244.*

*Viola indica scandens, nasturtii sapore et odore, flore*  
*flavo. Herm. hort. 628.*

*Nasturtium peregrinum. Dalech. 656.*

*Nasturtium indicum; folio peltato, scandens. Bauh.*  
*J. ii. 175. Leaves hirsute underneath.*

*Nasturtii indici flos. Dod. 420, repr. in*

*Nasturtium indicum. Lob. ic. i. 616. f. 3, and*  
*Ger. by Johns. 252. inner fig.—Park. parad.*

*330. t. 379. f. 9. Raji hist. 487. Lob. ic. i. 616.*  
*f. 2; Ger. by Johns. 252, outer fig. &*

*Nasturtii indici gemula effigies. Lob. obs. 338, re-*  
*pr. from*

*Nasturtii indici vera icon. Dod. 420.*

*Nasturtii indici icon missa. Dod. 420, repr. in*

*Nasturtium indicum. Lob. obs. 338; and ic. i. 616.*  
*f. 1, and cop. in Park. theatr. 1379, Dalech. 657,*

*Nasturtium indicum, folio anguloso. Bauh. J. ii.*  
*176.*

*Pelon Mexiquibitl. Hernand. 161.*

*TROPAEOLUM minus. Bryant 154.*

*Cardanum, seu Nasturtium indicum minus. Geoffr.*  
*suite i. 154.*

*Nasturtium indicum. Dale 134. Spielm. 61.*

*Cardaminum minus et vulgare. Chom. 536.*

**377. OSBECKIA.**

*Calyx quadrifid, with a ciliary scale between each*

segment. *Petals* 4. *Antherae* rostrate. *Capsule* quadrilocular, surrounded by the truncate tube of the calyx. *L.*

1. *OSBECKIA sessilifolia*.—Leaves sessile. Calyces glabrous. *Willd.*

*O. chinensis*. *L. sp.* 490; *a Willd. ii.* 300; *fl. suppl.* 215.

*KOMM-HEYONG-LOAA. Osb. i.* 342. *t. 2.*

### 378. JUSSIEA.

*Calyx* superior, quadripartite and quinquepartite. *Petals* 4 and 5. *Capsule* quadrilocular and quinquelocular, oblong, opening at the angles. *Seeds* numerous, minute. *L.*

1. *JUSSIEA repens*. Creeping. *Petals* 5. *Stamina* 10. Leaves ovato-oblong. *L. a Murr.* 403; *sp.* 555. *Swartz. obs.* 172.

*Caryophyllus spurius malabaricus pentapetalos aquaticus repens. Raii hist.* 1510, *from*  
*Nir-Carambu. Rheede ii.* 99. *t. 51.*

*OENOTHERA herbacea repens. Browne* 208.

2. *JUSSIEA hirta*. Erect, hirsute. *Petals* 4. *Stamina* 8. Leaves ovate, acuminate, hirtose underneath. *Swartz. obs.* 143.

*OENOTHERA assurgens hirsuta, floribus solitariis. Browne* 208.

3. *JUSSIEA octovalvis*. Erect. *Petals* 4. *Stamina* 8. Flowers pedunculate. *Capsules* multivalve. Leaves lanceolate. *Swartz. obs.* 142.

*Oenothera octovalvis.* *L. sp.* 492. *Jacq. amer. ed.* 800, 128.

*OENOTHERA* assurgens glabra, foliis lanceolatis alternis integerrimis, floribus solitariis alaribus. *Browne* 208.

4. *JUSSIEA suffruticosa.* Erect, villose. Petals 4. Stamina 8. Flowers pedunculate. *L. sp.* 555; *mant.* 381.

*CARAMBU.* *Rheede* ii. 55. t. 49, the descr. cop. in *Raii hist.* 1510.

5. *JUSSIEA erecta.* Erect, glabrous. Flowers sessile. Petals 4. Stamina 8. *L. sp.* 556; *mant.* 381. *Hort. kew.* ii. 63.

*Onagra persicae* foliis amplioribus, parvo flore luteo. *Plum. ic. t.* 175. f. 2.

*Lysimachia lutea* non papposa erecta, foliis glabris, fructu caryophylloide. *Sloane cat.* 85; *hist.* i. 37. t. 11. f. 1.

*Jasminum catalonicum*, flore luteo. *Seb.* i. 42. t. 26. f. 3.

*Cattu Carambu.* *Raii hist.* 1510.

*HERBA VITILIGINUM.* *Rumph.* vi. 49. t. 21. f. 1.

### 379. OENOTHERA.

*Calyx* superior, hypocrateriform, deciduous; limb quadripartite. *Petals* 4, inserted into the calyx. *Capsule* with 4 cells. *Seeds* naked. *Obs.* 5220. *Juss.* 319. *L.*

1. *OENOTHERA biennis.* Leaves elliptic, flat; mar-



gin dentate. Stem slightly villose. Stamina shorter than the corolla. *Obs.* 5220. In a garden.—*L. sp.* 492. *Hort. kew.* ii. 2. *Mill. Ph.* ic. 126. t. 189. f. 2. Naturalised in a wood near Haerlem.—*Fl. dan.* t. 446. In Holstein.—*Smith engl. t.* 1534.

*Lysimachia lutea corniculata.* *Hist. ox. s.* 3. t. 11. f. 7.

*Hyoscyamus virginianus.* *Alp. exot.* 325. t. 324.

*Lysimachia lutea virginiana.* *Raii hist.* 862. *Ger. by Johns.* 475, imit. in

*Lysimachia lutea siliquosa virginiana.* *Park. parad.* 264. t. 263. f. 6.

Stem 5 feet long, erect. Calyx thrice as long as the germen, tubiform, tomentose within. Corolla lemoncoloured, opening suddenly about 6 in the evening and fading in the course of the following afternoon. Germen very slightly incurvate, sometimes with 5 and 6 cells, when grown to its full size and the calyx is fallen off quadridentate with a square cavity at the end. Capsules sessile, cylindricofusiform, with 4 cells and valves, obsoletely tetragonous; valves attenuate at the end; the ends entire, rather obtuse. *Obs.* 5220.

Native of North America, and naturalised in Italy, France, Germany, Denmark, Holland, and the coast of Lancashire.

*OENOTHERA biennis.* *Krock. n.* 582. *Schoepf* 56. *Spielm.* 67.

*Onagra.* *Vog.* 110.

2. *OENOTHERA mollissima.* Leaves linear-lanceolate, dentate at the margin, villosotomentose. *Obs.* 5221. Specimen gathered in the garden of

Fothergill. — *L. sp.* 492, where for ups. read cliff.  
— *Hort. kew.* ii. 3.

*O. foliis lineari-lanceolatis dentatis, floribus e medio  
caulis. L. cliff.* 144.

*Onagra bonariensis villosa, flore mutabili. Dill.  
hort.* 297. t. 219. f. 286.

**OENOTHERA** mollissima. *Schoepf* 56.

### 380. *EPILOBIUM*.

*Calyx* superior, tetraphyllous and quadripartite.  
*Petals* 4. *Capsule* quadrivalve. *Seeds* pappose.  
*Obs.* 1061. *L.*

1. *Stamina* declinate. *Corolla* unequal.

1. ***EPILOBIUM salicifolium***. Flowers racemose. *Obs.*  
512. In a garden.

*E. angustifolium. Hort. kew.* ii. 4. *L. succ. n.*  
327; *sp.* 493 β. *Michaux* i. 223. *Bot. arrang.*  
387. *Curt. lond.* ii. 24. t. 106. *Smith brit.* 409.  
*Sibth. ox.* 121. Stoken-church woods. — *Abbot*  
84. Woods in Bedfordshire. — *Huds.* 161. Maize-  
hill beyond Greenwich. — *Lightf.* 197. Found by  
Parsons in Coryton woods and among rocks near  
Hamilton, and by Mr. Stuart near Loch Lutnaig.  
— *Gouan monsp.* 150 β. *Dillwyn in linn. trans.*  
vi. 179. In woods near Dover. — *Teesdale in linn.*  
*trans.* ii. 107. In Bilsdale above Helmsley in  
Yorkshire. — *Fl. dan. t.* 289. In Norway in woods  
and ploughed fields.

*E. floribus difformibus, pistillo declinato. L. succ.*  
*ed. i. n.* 304.

*E. foliis lanceolatis integerrimis. L. lapp. n.* 146.  
*Royen* 250.

*Chamaenerion latifolium*, vulgare. *Tourn. paris.* 187. *Vaill. paris.* 35. *Boerh. i.* 317. *Magn. hort.* 53.

*Chamaenerion angustifolium*. *Scop. carn. n.* 455.

*Lysimachia speciosa*, quibusdam *Onagra dicta*, siliquosa. *Bauh. J. ii.* 906. At Basle, on Mount Balon, and about Montbeliard.—*Raii cat. ed. i.* 204, *ed. ii.* 195. In a wood near Troiers in Mayfield parish in Sussex; near Sheffield in Yorkshire in the meadows, and in several other places of the north, plentifully;—*syn. ed. i.* 123; *ed. ii.* 181; *ed. iii.* 310. Found by Sherard and Rand 2 miles from Alton Hampshire on the road from Ashton;—*hist.* 860. About Basle.

*Onagra. Dalech.* 865.

*Chamaenerium flore delphinii*. *Park. parad. t.* 267. *f.* 6, but the descr. does not correspond even with the fig.

*Chamaenerion. Ger. by Johns.* 477. *Best. hort. aestiv. pl. ord. 1. fol.* 8.

*Lysimachia Chamaenerion dicta. Llwyd in phil. trans. abr. by Hutt. vi.* 20. Common in meadows throughout the upper parts of Brecknockshire.

Native of Europe from the south of France to Lapland.

**EPILOBIUM** *angustifolium*. *Bryant* 65. *Krock. n.* 583.

2. **EPILOBIUM** *latifolium*. Flowers axillary. *Obs.* 8714. Specimen from Vahl.—*L. sp.* 494; *a Willd. ii.* 314. *Fl. dan. t.* 565. In Groenland.

*E. frigidum. Retz. scand. n.* 459.

**EPILOBIUM** *latifolium. Krock. n.* 581.

381. ANTICHORUS.

*Calyx* tetraphyllous. *Petals* 4. *Capsule* superior, subulate, quadrilocular, quadrivalve. *Seeds* many.  
*L.*

1. ANTICHORUS *depressus*. *L. mant.* 64; *fl. fasc.* i. 3. t. 2.

*JUSSIAEA* *edulis*. *Forsk.* 210; *p.* xciii.

382. JAMBOLIFERA.

*Calyx* inferior, quadrifid. *Petals* 4. *Drupe* monospermous. *From* *Lour. and Vahl. symb.* iii. 52. *L.*

The name of this genus given it by mistake, must be changed.

1. JAMBOLIFERA *odorata*. *Leaves* ovate, obliquely truncate at the base. *Corymbus* terminal, distichous. *Lour.* i. 284.

383. AKEA.

*Calyx* inferior, pentaphyllous. *Petals* 5, oblongo-lanceolate. *Filaments* very short, inserted into a glandular receptacle. *Style* cylindric. *Stigma* obtuse. *Capsule* trilocular, trivalve; cells monospermous. *From* *Brought.*

Differs from *Cupania* in the shape of the petals,



and simple style, and from *Molinaca* in the simple style and pentaphyllous calyx.

1. *AKEA solitaria*.

*AKEE*. Brought. hort. 480.

384. *MIMUSOPS*.

*Calyx* hexaphyllous and octophyllous, in 2 rows.

*Corolla* hypocrateriform; tube very short; limb double; the outer duodecimpartite and sexdecempartite; the inner octopartite and sexpartite.

*Nectaria* 6 and 8, alternating with the stamina.

*Stamina* inserted into the mouth of the tube of the corolla. *Germen* with the rudiments of 8 seeds.

*Berry* with mostly 1 seed. From *Roxb. t. 14. 15*, *Rumph. iii. t. 8*, and *Garcin ap. Rumph. iii. 192. L.*

1. *MIMUSOPS Elengi*. Leaves elliptic. Styles as long as the corolla. From *L. a Willd. ii. 325; sp. 497. Roxb. i. 15. t. 14. Cook in Hawkesw. iv. 354. Gaertn. i. 198. t. 42.*

*Arbor Kauki indorum. Breyn. exot. 20. t. 8.*

*Elengi. Rheede i. 33. t. 20.*

*Kauki indorum. Pluk. alm. 203.*

*FLOS CUSPIDUM. Rumph. ii. 189. t. 63.*

2. *MIMUSOPS Kauki*. Leaves ovali-elliptic. Styles longer than the corolla. Obs. 8715. Specimen from Dr. Wright.—*L. sp. 497.*

*METROSIDEROS macassarensis. Rumph. iii. 19. t. 8.*

**MONOTRYA. 386. Melicocca. 355**

**385. XYLOCARPUS.**

*Calyx quadrilobate. Petals 4. Nectarium octo-*  
*fid. Filaments inserted into the nectarium. Drupe*  
*juiceless, with 4 or 5 furrows. Nuts 8 to 10.*  
*From L. a Willd.—Koen.*

1. **XYLOCARPUS Granatum.** *L. a Willd. ii. 328.*

**GRANATUM** litereum. *Rumph. iii. 92. t. 61.*

**386. MELICOCCA.**

*Calyx tetraphyllous. Petals 4, deflex. Stigma*  
*subpeltate. Berry mostly monospermous. Obs.*  
*8376, and from L. Jacq. L. a Schreb. & Venten.*  
*tabl. t. 15. f. 4.*

1. **MELICOCCA bijuga.** *L. sp. 495; a Murr. 360.*

*Querc. obs. 146.*

*Melicocete bijugatus. Jacq. amer. 108. t. 72; Seb,*  
*1831. Petioles without wings.*

*Nux americana costa foliorum appendicibus aucta.*  
*Pluk. phyt. t. 207. f. 4. No fructification.*  
*Petioles winged.*

*Nux americana foliis alatis bifidis. Cammel. hort.*  
*f. 183. t. 94. Fruit. Petioles winged.*

*Leaves ternate and bijugate. Racemus compound,*  
*terminal. Flowers male. Calyx tetraphyllous;*  
*phylla olive yellow, unequal, the 2 lowermost smaller.*  
*Petals 4, and 7, oval, olive yellow, pubescent at the*  
*margin, twice as long as the calyx, erect. Necta-*  
*rium orbicular, horizontal. Stamina inserted into*  
*the center of the nectarium, erect. Obs. 8376\**

Specimen gathered by Dr. Wright in Jamaica, where it is cultivated.

*MELICOCCUS*. *Browne* 210. Cultivated in Jamaica into which island imported from Surinam.

*Genip*. *Edwards west ind.* i. 201.

### 387. HAGENIA.

*Calyx* inferior, pentaphyllous. *Petals* 5. *Stigma* capitate. *From Bruce's fig.—Lamarck.*

1. *HAGENIA abyssinica*. *L. a Gmel.* ii. 613; *a Willd.* ii. 331.

*CUSO*. *Bruce trav.* v. 73. t. t.

### 388. GUAREA.

*Calyx* quadridentate. *Petals* 4. *Nectarium* cylindric. *Antherae* inserted into the mouth of the nectarium. *Capsule* quadrilocular, quadrivalve. *Seeds* solitary. *L.*

*Guidonia*. *Plum. gen. t.* 24.

1. *GUAREA trichilioides*. *L. a Murr.* 360. *Jacq. amer.* 8co, 129. *Swartz. obs.* 146.

*Guara trichilioides*. *L. mant.* 228.

*Trichilia Guara*. *L. sp.* 551.

*Melia Guara*. *Jacq. amer.* 126. t. 176. f. 37, a foliole.

*Guidonia nucis juglandis foliis major*. *Plum. ic. t.* 147. f. 2.

**Lauro** affinis arbor, foliis latioribus ex adverso sitis, cortice cannabino, ligno moschum olente. *Sloane cat.* 137; *hist.* ii. 25. t. 170. f. 1. *Rati hist.* iii. dendr. 88.

**Jito I.** *Pis. ind.* 169, repr. from

**Jito.** *Pis. bras.* 79. *Marcgr. bras.* 120, repr. in

**Jito II.** *Pis. ind.* 170.

*Leaves* bijugate; folioles opposite, elliptico oval. *Racemi* compound below. *Calyx* obsoletely quadridentate. *Corolla* before expansion parallelopedal. *Nectarium* corollaceous. *Antherae* sessile, growing to the inside of the nectarium a little below the mouth. *Obs.* 8515. Specimen gathered by Dr. Wright in Jamaica.

**ELUTHERIA.** *Browne* 369.

### 389. HEDVIGIA.

*Calyx* quadridentate. *Corolla* quadrifid. *Style* none. *Capsule* tricoccous. *Seeds* solitary. From *Swartz. prodr.* 62; *ind. occid.* 670.

**1. HEDVIGIA balsamifera.** *Swartz. ind. occid.* 672.

### 390. AMYRIS.

*Calyx* quadridentate. *Petals* 4, oblong. *Stigma* tetragonous. *Berry* drupaceous. *L.*

**1. AMYRIS Balsamum.**—*Leaves* ternate; folioles entire at the margin. *Peduncles* uniflorous, terminal. *Vahl.*

**A. Opobalsamum.** *Forsk. p.* xc. cx; 79; at Oudé



between Tacs and Hacs in the mountains of the south of Yemen.—*Nieb.* i. 307, 422. On the confines of the Tehama, and between Samfar and Til.—*L. mant.* 65, from authors.

*A. gilcadensis.* *Vahl. symb.* i. 28. *A.* 11, *cop.* in *Woodv.* iii, t. 192. *L. mant.* 65.

*Balsamum.* *Theophr.* l. 9, c. 6. *Rhin.* i. 19, c. 25. *Justin.* l. 36, c. 8. *Bellon.* 110. No fig.—

*Alp. aegypt.* 24, repr. in *balsam.* 78, from a plant cultivated at Matarea near Cairo.

*Balsamum, ab aegyptiis Balissan.* *Alp. aegypt.* ed. ii. 48, t. 60, *cop.* in *ed. a. Vahl.* ii. 26, t. 14.

*Balsamum genuinum antiquorum.* *Park. theatr.* 1528; a branch *cop.* in

*Balsamum Alpini cum Caspobalsamo.* *Gea.* by *Johns.* 1528, & the whole *cop.* in

*Balsamum verum.* *Bauh. J. i. a.* 298. Lower leaves ternate, the rest pinnate.—*Raii hist.* 1755.

*Balsamum syriacum, rutæ folio.* *Bauh. Casp. pin.* 400.

*Balissan.* *Bruce trav.* i. 257, v. 16, t. 16, t. at 16, from plants obtained for him from Baderhunein.

*Peduncles* at the end of very short bristles!

*Specimen* in Sir Jos. Banks's herbarium, gathered by

Forsk. in Yemen.—*Peduncles* almost half as short

as the fruit, filiform; straight. *Bractea* sheathing

the base of the peduncle, one third as long as the

peduncle; mouth dentate. *Drape* reddish brown,

oval, very slightly compressed, with 2 elevated

ridges, and 2 shorter between them, pointed, with a

short mucro. *Nut* oval, somewhat pointed, on one

side flattened and marked with a longitudinal fur-

row, the transverse section reniform; covered with

a kind of brownish white crust, the whole appearing like a pistacia nut in miniature; shell thin, hardish. Specimen in a collection of drugs.

OPOBALSAMUM. *Cartheus*. iii. 425. *Geoffr.* ii. 473. *Herm.* 672. *Hill* 699. *Lew.* ii. 169. *Neum.* ii. 4. *Spielm.* 319.

Balsamum Meccae. *Berg.* 296. *Monro* ii. 342; iii. 49.

Balsamum de Mecha. *Pharm. austriaco-prov.* 22. *Quarin anim.* 89.

Balsamum e Mecca. *Pharm. suec.*

Balsamum de Mecca. *Murr.* iv. 32. *Vog.* 308.

Balsamum Mechae. *Linn.* 118.

Balsamum gileadense. *Hill* 699. *Mill. Jos.* 72. *Wintringh. in Mead mon.* i. 264.

Balsamum judaicum. *Dale* 282. *Rutty* 54.

Balsamum. *Alst.* ii. 386. *Schrod.* 543.

A. gileadensis. The resin. *Pharm. edin.*—*Lew. disp. by Dunc.* 142. *Murr. J.* i. 337. *Pearson, R.* i. 169.

Balsam of Mecca. *Hasselq.* 293.

Baume de Judee. *Chom.* 626.

Balm of Mecca. *Vohn. trav.* ii. 322.

CARPOBALSAMUM. *Dale* 282. *Geoffr.* ii. 477. *Herm.* 290. *Lew.* i. 287; *disp. by Rother.* 129. *Linn.* 118. *Monro* iii. 49. *Murr.* iv. 46. *Spielm.* 320. *Vog.* 270.

Carpobalsamum nigrum. *Chom.* 326.

XYLOBALSAMUM. *Chom.* 335. *Dale* 282. *Geoffr.* ii. 477. *Linn.* 118. *Murr.* iv. 46. *Spielm.* 320.

2. AMYRIS *Kataf.* Leaves ternate, serrate at the end. Peduncles crowded, bifid. *Vahl. sym.* i. 28. *Forsk.* 80.

- β *Kafal*. Wood red. *From*  
*AMYRIS Kafal*. *Forsk.* 80; *p. cx. n. 256*, who  
 says he could not discover any specific difference  
 between this and α.
3. *AMYRIS ambrosiaca*. Leaves pinnate, petiolate.  
 Panicles crowded, axillary. *L. fl. suppl.* 216;  
*Icicariba. Pis. bras.* 59; *repr. in ind.* 122; and  
*Marcgr. bras.* 98.  
*Icicariba brasiliensibus. Raii hist.* 1546.  
*ELEMI americanum. Cartheus.* iii. 358. *Chom.*  
 668. *Geoffr.* ii. 531. *Murr.* iv. 28.  
*Elemi.* A resin. *Pharm. lond.—Alst.* ii. 411.  
*Berg.* 294. *Graing.* 24. 58. 60. *Herm.* 654.  
*Hill* 721. *Lew.* i. 410; *disp. by Dunc.*  
 141. *Linn.* 117. *Mill, Jos.* 223. *Monro* ii.  
 359. *Neum.* ii. 23. *Rutty* 228. *Spielm.* 314.  
*Vog.* 315.  
*A. elemifera. Pearson, R.* ii. 169.  
*Arbor brasiliensibus gummi elemi simile fundens.*  
*Dale* 308.
4. *AMYRIS Protium*. Leaves pinnate; folioles pe-  
 tiolate, undulate. *L. mant.* 65.  
*TINGULONG. Rumph.* vii. 54. t. 23. f. 1.
5. *AMYRIS zeylanica*. Leaves pinnate, petiolate,  
 glabrous. Racemi interrupted, axillary. Flowers  
 with involucre. Stamina 6. *Retz. obs.* iv. 25.  
*n. 78.* from Koenigs communications.  
*A. ambrosiaca. Lour.* i. 283?  
*ELEMI orientale. Schreb. ap. Linn.* 117.  
*Elemi verum seu aethiopicum. Geoffr.* ii. 531.  
*Spielm.* 314.  
*Gummi Elemi aethiopicum. Cartheus.* iii. 358.

Elemi from the East Indies. *Lew. disp. by Dunc.*  
142.

Gummi Elemi officinarum. *Chom.* 667; *suppl.*  
187.

### 391. CHLORA.

*Calyx* octophyllous. *Corolla* octofid. *Capsule*  
with 1 cell, 2 valves, and many seeds. *L.*

1. *CHLORA perfoliata*. Leaves perfoliate. *L. mant.*  
349; *nat.* ii. 267; *a Murr.* 361. *Huds.* 168.

*Bot. arrang.* 392. *Smith brit.* 413; *engl. t.* 60.

*Walc. t. Roth germ.* ii. 440. *Pollich n.* 262.

*Gentiana perfoliata*. *L. sp.* 335. *Asso n.* 232.

*Scop. carn. n.* 299.

*Centaureum luteum perfoliatum*. *Raii syn.* 287.

*Boerh.* i. 224. *Bauh. J.* iii. 355.

*Centaureum minus luteo flore*. *Cam. hort.* 37.

*Centaureum luteum*. *Clus. hisp.* 356, *repr. in*

*Centaureum parvum, flavo flore*. *Clus. hist.* ii. 170,

*Centaureum parvum luteum Lobelii*. *Ger. by Johns.*

547,

*Centaureum floribus luteis sive citreis pallidis Me-*

*suaci*. *Lob. obs.* 219; *and ic.* i. 401, inner fig.

—outer fig. *repr. from*

*Centaureum luteum*. *Lob. adv.* 173.

*Xapa. Renealm.* 80. *t.* 76.

(*Centaureum luteum novum*. *Col. ecphr.* ii. *t.* 77,

&

*Centaureum flore luteo*. *Besl. hort. pl. vern. ord.*

5. *fol.* 7. *f.* 3, are *Gentiana maritima*.)

*CENTAURIUM luteum*. *Cam. epit.* 427.



392. DODONAEA.

*Calyx* tetraphyllous. *Corolla* none. *Capsule* tri-  
cocous and dicocous, winged. *Obs.* 8421. *L.*

1. DODONAEA *viscosa*. Leaves oblong and lanceo-  
late, viscous. Branches terete. *Obs.* 8344. Spe-  
cimen gathered in Fothergill's garden.—*Obs.*  
8421. Specimen gathered by Dr. Wright in Ja-  
maica.—*L. a Willd.* ii. 343; *a Murr.* 362; *fil.*  
*suppl.* 218. *Jacq. amer.* 109; *ed. Bro.* 137,  
*Hort. kew* ii. 9.

*Ptelea viscosa*, *L. sp.* 173.

*Triopteris*. *Browne* 191. t. 18. f. 1. In fruit.

*Staphylodendron foliis laevi angustis*. *Plum.* ic.  
245. t. 247. f. 2.

*Triopteris jamaicensis*, angusto salicis folio, fructu  
minore fusco. *Pluk. alm.* 377.

*Triopteris indiae orientalis*, chamaenerii splendenti-  
bus foliis. *Pluk. mant.* 185. t. 447. f. 3. No  
fructifications.

*Carpinus viscosa*, salicis folio integro oblongo. *Burm.*  
*J. zeyl.* 55. t. 23.

*Aceri* vel *paliuro* affinis, angusto oblongo ligustri  
folio, flore tetrapetalo herbaceo. *Sloane cat.* 138;  
*hist.* ii. 27. t. 162. f. 3. In fruit.

Frutex instar salicis pumilae, in arenosis locis.  
*Marcgr.* 76. t. inner fig.

*Capsule* dicocous; cotyl compressed. *Obs.*  
8421.

CARYOPHYLLASTER litoreus. *Rumph.* iv.  
110. t. 50. In fruit. Leaves lanceolate, very a-  
cute, but described as rounder above than another  
plant which it is said to resemble.

2. *DODONAEA angustifolia*. Leaves linear. *L. fil.*  
*suppl.* 218. *Swartz. obs.* 150.  
*DODONAEA angustifolia*. *Thunb. trav.* ii. 139.

393. *LAUSONIA*.

*Calyx* quadrifid. *Petals* 4. *Stamina* in 4 pairs.  
*Capsule* quadrilocular; cells polyspermous. *L.*

- LAUSONIA inermis*. Without spines. Leaves  
mostly sessile, ovate, acute at each end. *L. fil.*  
*suppl.* 219. *L. sp.* 498, who conjectures that it is  
*L. spinosa* which has lost its spines from long cul-  
tivation.—*Hort. kew.* ii. 9. *Forsk. p.* xciii. 1v.  
*Alhenna* sive *Henna arabum*. *Walsh.* 3. t. 4, from a  
dried specimen.  
*Alcanna*. *Gaertn.* ii. 133. t. 110.  
*Ligustrum aegyptiacum latifolium*. *Bauh. Carp.*  
*pin.* 476.  
*Alcanna arabum*. *Bellon. ap. Clus. exot.* 135, *cop.*  
*in*  
*Ligustrum orientale*, sive *Cyprus Dioscoridis et Pli-*  
*nii*. *Park. theat.* 1446. *Raii hist.* 1603.  
*Ligustrum aegyptiacum*, *Elhanna*, sequ *Tamaharendi*,  
vel *Alcanna Avicennae*. *Alp. aegypt. fol.* 19, p.  
2, *cop. in*  
*Ligustrum aegyptiacum*. *Bauh. J. i. a.* 532, (mis-  
printed 541,) &  
*Ligustri species I.* *Bont.* 148. Leaves represented  
as pinnate with an odd one.  
*Masithondi*. *Herm. mus.* 65.  
*Cyprus graecorum*. *Dalech. app.* 22.  
*Cyprus*. *Dod.* 764. (The figures are *Phillyreae*.)  
*Garcin in phil. trans. abr. by Hutt.* ix. 583, who

refers to the authors cited under both *L. spinosa* and *L. inermis*, and yet does not notice its branches ever being spinose.

*ALCANNA* vera. *Linn.* 118. *Cartheus.* iv. 95. *Vog.* 230.

*Alkanna* vera. *Murr.* ii. 85.

*Alcanna.* *Dale* 317.

*Alkanna orientalis.* *Spielm.* 375.

2. *LAUSONIA spinosa.* Branches spinose. *L. sp.* 498. *Hort. kew.* ii. 9. *Mill. Ph. dict. n.* 2, but he says that he received specimens of it from the Spanish West Indies.—*Hasselq.* 246. *Lour.* i. 281.

*Mail-antschi.* *Rheede* i. 73. t. 40.

*Manithondi.* *Herm. mus.* 6.

*Rhamnus malabaricus.* *Pluk. phyt. t.* 220. f. 1.

*Cyprus.* *Rumph.* iv. 42. t. 17.

*LAWSONIA spinosa.* *Murr.* ii. 85.

3. *LAUSONIA* ??—*purpurea.* Leaves nearly sessile, lanceolate. Flowers corymbose, terminal. *L. a Willd.* ii. 345, and *Lamarch*, both probably from

*POUTALETSE.* *Rheede* iv. 117. t. 57, who describes the stamina as 4, the corolla, if I do not misconceive his meaning, as infundibuliform, and the branches as quadrangular; the descr. cop. in *Raii hist.* 1634.

4. *LAUSONIA falcifolia.*—Leaves falcate, slightly crenate. *Lour.*

*LAWSONIA falcata.* *Lour.* i. 282.

394. MEMECYLON.

*Calyx* inferior, entire and quadrifid. *Petals* 4, inserted into the calyx. *Stamina* inserted into the calyx. *Berry* monospermous. *Obs.* 8415, and from *Roxb.* & *L.*

1. MEMECYLON *edule*. *Calyx* quadrifid. From *Roxb.* i. 59. t. 82.

395. VACCINIUM.

*Calyx* superior. *Corolla* with 4 divisions. *Stamina* inserted into the receptacle. *Antherae*, cells opening at the end. *Berry* quadrilocular; cells polyspermous. *Obs.* 4141. *L.*

In *V. Oxycoccus* the corolla divides spontaneously, and in *V. punctifolium* with at least very little force, into 4 petals.

1. *Leaves deciduous.* *L.*

1. VACCINIUM *Myrtillus*. Peduncles with 1 flower. Leaves serrate, ovate. Stem angular. *L. succ.* n. 333; *sp.* 498. *Bot. arrang.* 393. *Smith brit.* 414. *Scop. carn.* n. 458. *Fl. dan.* t. 974. *Asso* n. 338.

*V.* caule angulato, foliis serratis annuis. *L. lapp.* n. 143.

*Vitis idaea angulosa.* *Bauh. J.* i. a. 520. (The fig. a species of *Anchusa*.) *Raii syn.* 457.

*Vaccinia nigra.* *Dod.* 756, repr. in *Ger. by Johns.* 1415, &



*Vaccinia nigra et rubra.* *Lob. obs.* 546, & *cop. in*

*Vaccinia nigra vulgaris.* *Park. theatr.* 1456.

*Myrtillus.* *Matth.* 231. *Cam. epit.* 135.

*Idaea vitis.* *Dalech.* 191.

*Myrtillus germanica.* *Dalech.* 192.

*Native of Europe from Spain and Carniola to Lapland.*

*MYRTILLUS.* *Pharm. austriaco-prov.* 51. *succ.*

—*Berg.* 299. *Dale* 294. *Lew. disp. by Dunc.*

348. *Linn.* 119.

*Myrtilli.* *Murr.* ii. 73. *Quarin anim.* 232. *Vog.* 256.

*Vaccinia nigra.* *Ratty* 530.

*Vaccinia.* *Mill. Jos.* 445.

*V. Myrtillus.* *Bryant* 172. *Guthrie in ann. med.*

iii. 402. *Krock. n.* 593. *Pearson, R.* i. 68.

*Vitis idaea.* *Geoffr. suite iii.* 379.

*Airelle.* *Chom.* 600.

## 2. VACCINIUM *uliginosum.* Peduncles with 1

flower. Leaves entire at the margin, obovate and

oval, glabrous. *Obs.* 8090. In Mr. Knowlton's

garden. 25 May.—*L. succ. n.* 332; *sp.* 499.

*Bot. arrang.* 394. *Lightf.* 201. In the Highlands

and Hebrides, in low moist grounds and near the

summits of mountains.—*Huds.* 164. *Fl. dan. t.* 251.

*Smith engl. t.* 581; *brit.* 415. *Host* 211. *Krock.*

*n.* 594. *Pollich. n.* 375. *Roth germ. i.* 169. In

Oldenburg, Holstein, and near Gottingen.—*Aitk.*

*Arth. wales* 111. In Gwydir woods near Llanrwst

in Denbighshire.

*V. foliis annuis integerrimis.* *L. lapp. n.* 142.

*Vitis idaea magna quibusdam, sive Myrtillus grandis.*

*Bauh. J.* i. 518. In Burgundy, and on the Vos-

ges mountains between Loraine and Alsace. (The

fig. is *Arbutus alpina*.) *Ray lett.* 68. Found by Willisell at Orton in the mid way between Hexham in Northumberland and Perith.—*Rail hist.* 1487; *syn.* 457. In boggy pastures in the mountainous parts of Cumberland half way between Perith and Hexham in Northumberland, and about Gamblesby between Perith and Alston moor; and observed by Lawson in the forest of Whinfield in the north of Westmorland, and near Julian's Bower.

*Vitis idaea* II. *Clus. pann.* 79, repr. in *hist.* i. 62, &

*Vitis idaea foliis subrotundis, major.* *Ger. by Johns.* 1416, & cop. in

*Vaccinia nigra fructu majore.* *Park. theatr.* 1456.

*Branches* terete, those of the last year but one rufous, with longitudinal whitish threads separating from the surface; those of last year tawny, glabrous; those of the present year whitish green, proceeding from buds below those producing flowers. *Leaves* glaucous underneath, the lowermost of a branch ciliate with very short hairs or rather projecting points, the rest with 1 or 2 similar hairs at the base, some obovate, others obovato-oval, with an obtuse angle at the end, others oval, with an angle at each end. *Flowers* solitary, from buds at or near the ends of last years branches. *Peduncles* decurvate. *Calyx* quinquefid; segments semiorbicular, whitish green. *Corolla* white, often tinged with pink on one side, urceolato-cylindric; mouth quadrifid; segments semi-ovate, revolute. *Stamina* 8. *Filaments* subulate, white below, tawny above. *Antherae* tawny, oblong, bifid; segments erect, parallel, truncate, with a horizontal arista from the base of each. *Pistil* just shorter than the corolla. *Germen* semisuperior,

green, depressed. *Style* attenuate, whitish green.  
*Stigma* simple. *Obs.* 8090.

*VACCINIUM uliginosum*. *Linn. amoen.* vi. 347.  
*Vaccinia*. *Dale* 294.

4. *VACCINIUM frondosum*. *Racemi* bracteate. *Pedicles* bracteate. *Corollae* subcampanulate. *Leaves* obovato-oblong, entire at the margin. *Hort. kew.* ii. 11. *L. sp.* 499.

*VACCINIUM*. *Schoepf* 57.

5. *VACCINIUM corymbosum*. *Flowers* corymbosae. *Corollae* ovate. *Leaves* oblongo-elliptic; entire at the margin. *Obs.* 8480. Specimen gathered in the Edinburgh garden.—*L. sp.* 499. *Marsh.* 157.

*VACCINIUM*. *Schoepf* 57.

2. *Leaves* evergreen. *L.*

6. *VACCINIUM punctifolium*. *Racemi* terminal, nodding. *Leaves* obovate, emarginate with a tubercle, dotted underneath. *Obs.* 4141. On the East moor near Chesterfield. 27 Aug.

*V. Vitis idaea*. *L. sp.* 500. *Fl. dan. t.* 40. *Bot. arrang.* 394. *Smith brit.* 415.

*Vitis idaea sempervirens*, fructu rubro. *Raii syn.* 457.

*Vaccinia rubra*. *Dod.* 758, repr. in *Ger. by Johns.* 1415, cop. in *Park. theatr.* 1457, &

*Idaea radix*. *Dalech.* 193, & abr. in

*Vitis idaea sempervirens*, fructu rubro. *Bauh. J.* i. a. 522.

*Vitis idaea rubra*. *Cam. epit.* 136.

*Stems and branches pubescent. Leaves thick, rigid, pubescent at the base, subretuse, terminated by a rounded tubercle, with a very short filiform gland from each dot; margin cartilaginous, deflex, serrate, obsoletely serrate and entire. Obs. 4141.*

*VITIS idaea. Pharm. suec.—Berg. 301. Krock.*

*n. 595. Lew. disp. by Dunc. 349. Linn. 119.*

*Murr. ii. 69. Ploucq. bibl. i. 688. Vog. 268.*

*Myrtilli. Spielm. 106.*

*V. Vitis idaea. Bryant 173. Pearson, R. i. 69.*

7. *VACCINIUM Oxycoccus. Leaves ovate, acute; margin entire, revolute. Stem creeping, filiform, glabrous. Obs. 1025. Sutton Park in Warwickshire.—H. K. ii. 13. L. sp. 500. Bot. arrang. 395. Smith engl. t. 319; brit. 416. Fl. dan. t. 80.*

*Oxycoccum. Cord. fol. 140. p. 2.*

*Oxycoccus, seu Vaccinia palustria. Raii syn. 267.*

*Bauh. J. i. a. 526.*

*Vaccinia palustria. Lob. obs. 547, repr. in ic. ii.*

*109, Lod. 758, and Ger. by Johns. 1419, and cop. in*

*V. palustre. Park. theatr. 1229.*

*Oxycoccon, seu Vaccinia palustria. Besl. hort. aut. ord. 2. fol. 10.*

*OXYCOCCUS. Berg. 302. Geoffr. suite i. 295.*

*Lew. disp. by Dunc. 348.*

*Oxycoccus. Pharm. suec.—Dale 173. Krock. n.*

*596. Murr. ii. 73.*

*V. Oxycoccus. Bryant 174. Linn. amoen. vi. 347.*

*Pearson, R. i. 69.*

*Vaccinia palustria. Ruttj 530.*



8. *VACCINIUM macrocarpon*. Leaves ovali-oblong; margin entire, revolute. Stem creeping, filiform, glabrous. *Obs.* 5175. Specimen gathered by Dr. Cutler in New England.—*II. K.* ii. 13. t. 7.

*Vitis idaea palustris virginiana*, fructu majore. *Raii hist.* i. 685.

*Vitis idaea palustris americana*, oblongis splendentibus foliis, fructu grandiore rubro plurimis intus acinis referto. *Pluk. phyt. t.* 320. *f.* 6. Berry represented as oval, whence perhaps Solander's trivial name.

*OXYCOCCUS*. *Schæpf* 57.

*Uva gruina*. *Dale* 173.

### 396. ERICA.

*Calyx* tetraphyllous quadripartite and quadrifid. *Corolla* quadrifid. *Stamina* inserted into the receptacle. *Antherae*, cells opening at the end. *Capsule* quadrilocular. *Obs.* 4133: *L.*

Divisible into 2 genera, in some species the dissepiments being formed by the reflected margins of the valves, in other species being inserted into the sides of the valves. In one species there are 8 dissepiments.

The appendages of the antherae afford a very good primary distinction, but not always to be depended on. In a variety of *E. discolor* they are wanting.

1. *Appendages of the antherae serrate. Leaves opposite.*

1. *ERICA sagittifolia*. *Calyx* longer than the corolla. *Obs.* 4133. On heaths.

*E. vulgaris.* *L. succ. n.* 336; *sp.* 501. *Curt. lond.* v. 30. t. 297. *Asso n.* 339. *Bot. arrang.* 396. *Smith engl. t.* 1013; *brit.* 417. *Fl. dan. t.* 677. *Walç. t. Gouan hort.* 194. Near Montpellier.—*Krock. n.* 597. *Park. theatr.* 1480.

*E. prima.* *Dalech.* 185.

*Erica.* *Trag.* 952. *Fuchs.* 257. c. 96, *cop. in*

*E. prior.* *Dod.* 755, *which repr. in*

*E. vulgaris, sive pumila.* *Ger. by Johns.* 1380, & *cop. in*

*E. pumila belgarum Lobelii, scoparia nostras.* *Park. theatr.* 1482.

Branches covered with leaves. *Leaves* sagittate, opposite, in 4 rows. *Flowers* sessile. *Bractee* 4, four times as short as the calyx, subrotundo-ovate, acute, ciliate, membranaceous below, green above, slightly tinged with purple. *Calyx* pale purplish pink, rigid, somewhat longer than the corolla; phylla oval, concave. *Stamina* as long as the corolla. *Antherae* rufous, ovate, glabrous; segments ovate, acute; appendages subulato-linear; obliquely truncate, inciso-serrate, echinate, rufous. *Style* longer than the calyx. *Obs.* 4133.

*Native* of Europe from Italy and Spain to Lapland.

*ERICA.* *Dale* 334. *Vog.* 101.

*Bruyere.* *Chom.* 423; *suppl.* 132.

*a glabriuscula.* Leaves nearly glabrous. *Obs.* 4133.

*Bot. arrang.* 396. *a*

*E. vulgaris.* *Raii hist.* 1713; *syn.* 470.

*E. vulgaris glabra.* *Tourn. paris.* 77. *Vaill. paris.* 49. *Boerh. ii.* 221. *L. lapp. n.* 141.

*Capsule,* dissepiments opposite to the sutures. *Obs.* 6857.

*a villosa.* Leaves villose. *Obs.* 6146. Specimen ga-

thered on Kinfare edge in Worcestershire.—*L.*  
*β. Bot. arrang.* 398 *β*

*E. vulgaris hirsuta. Raii hist.* 1713; *syn.* 471.

*E. myricaefolio, hirsuta. Tourn. paris.* 438. *Vaill.*  
*paris.* 49. *Boerh. ii.* 222.

### 397. DAPHNE.

*Calyx* corollaceous, hypocrateriform; limb quadripartite. *Stamina* within the tube of the calyx. *Style* very short. *Drupe* monospermous. *Obs.* 6226. *L.*

#### 1. *Flowers lateral. L.*

1. *DAPHNE Mezereum.* Flowers sessile, in threes, on the stem. Leaves lanceolate, deciduous. *L. suéc. n.* 338; *sp.* 509. *Fl. dan. t.* 268. *Gort. belg. n.* 351. *Mill. Ph. dict. n.* 2. Woods near Andover in Hampshire.—*Bot. arrang.* 402. Found by Mr. Woodward near Laxfield in Suffolk.—*Woodv. i.* 68. *t.* 23. *Smith engl. t.* 1381, from a garden.

*D. floribus sessilibus infra folia elliptico-lanceolata. L. lapp. n.* 140.

*Thymelaea Mezereum. Scop. carn. n.* 462.

*Thymelaea lauri folio deciduo, sive Laureola foemina, Vaill. paris.* 191. *Boerh. ii.* 213.

*Daphnoides, sive Laureola. Fuchs. 226. c.* 83, *cop. in*

*Laureola folio deciduo, sive Mezereon germanicum. Bauh. J. i. a.* 566.

*Mezereon germanicum, an Chamaedaphne Dioscoridis. Raii europ.* 181. In mountainous situations in Germany and about Geneva.

*Mesereum germanicum.* *Lob. obs.* 199, repr. in  
*Laurus pusilla.* *Lob. ic.* i. 367,  
*Chamelaea germanica.* *Dod.* 360, &  
*Chamelaea germanica, sive Mezereon.* *Ger. by Johns.*  
 1402, and cop. in *Park. theatr.* 202; *parad. t.*  
 399. f. 1. *Raii hist.* 1587.

*Daphnoides.* *Cam. epit.* 937.  
*Daphnoides flore purpureo.* *Tab. ic.* 1074. 1075.  
*Chamelaea.* *Trag.* 959.  
*Laureola foemina.* *Dalech.* 212.

Native of Italy, Switzerland, France, Holland,  
 Germany, Scandinavia, Hampshire, and Suffolk.

**MEZEREUM.** *Mezereon.* The bark of the root.  
*Pharm. lond.—Cull.* ii. 214. *Herm.* 327. *Lew.*  
 ii. 431. *Mill. Jos.* 296. *Monro* iii. 172. *Murr.*  
*J.* i. 340. *Pearson, J.* account from in *ann. med.*  
*lustr. II.* i. 270. *Quarin animad.* 112. 143. *Ro-*  
*gers in phys. journ.* v. 278. *Russel, Alex.* in  
*med. obs.* iii. 189. *Spielm.* 483.

*Mezereon.* *Alst.* ii. 260. *Cull. pract. n.* 1785.  
*Dale* 313. *Home, F. clin.* 428. *Rutty* 328.

**D. Mezereum.** *Pharm. edin.—Coste and Willem.*  
*in med. comment.* v. 298. *Lew. disp. by Dunc.*  
 216. *Murr. J.* i. 321; ii. 44. *Pallas, account*  
*from in med. journ.* i. 186. *Pearson, R.* i. 115.  
 248; ii. 177.

*Laureola.* *Linn.* 120.

*Laureola foemina.* *Geoffr.* iii. 692.

*Laureola folio deciduo.* *Vog.* 238.

*Coccognidium.* *Murr.* iv. 629. *Neum.* ii. 97.

*Ploucq. bibl.* i. 10. 256. 483. 655. *Vog.* 175.

*Coccumgnidium.* *Berg.* 306. *Linn.* 120.

\* *rubens.* Corolla purplish rosecoloured. *Obs.* 6226.

*H. K. a*

*Calyx* readily separable into 2 laminae; tube pu-



bescent; hairs adpressed. *Style* very short. *Obs.*

6226. In a garden.

β *alba*. Corolla white. *From H. K.* ii. 25.

*Thymelaea lauri* folio deciduo, flore albido, fructu  
flavescente. *Boerk.* ii. 213.

*Thymelaea*. *Trag.* 957. On lofty mountains and  
in woods.

2. *DAPHNE Thymelaea*. Flowers sessile, axillary.  
Leaves lanceolate; Branches simple. *L. sp.* 509.  
*Gouan hort.* 196. Near Montpellier.

*D. floribus sessilibus axillaribus, foliis lanceolatis,*  
*caulibus simplicissimis.* *Ger. Lud. t.* 17. *f.* 2.

*Thymelaea alpina* glabra, flosculis subluteis ad fo-  
liorum ortum sessilibus. *Pluk. phyt. t.* 229. *f.*  
2.

*Sanamunda* glabra. *Bauh. J. i. a.* 593. Near Ag-  
des on the sea coast between Montpellier and Nar-  
bonne.

*Thymelaea Matthioli.* *Dalech.* 1666.

*Leaves* elliptic, entire at the margin; veins more  
conspicuous on the upper than the lower side. *Obs.*  
8003. Specimen gathered by M. Broussonett in  
the south of France or north of Spain.

*DAPHNE Thymelaea.* *Rogers in phys. journ.*  
v. 278.

*Mezereum.* *Berg.* 303.

3. *DAPHNE Tartonraira*. Flowers sessile, lateral,  
aggregate, with imbricated bracteae at the base.  
Leaves obovato-elliptic, nervose, silky. *Obs.* 8004.  
Specimen gathered by M. Broussonett in the south  
of France or north of Spain.—*L. sp.* 510. *Hort.*  
*kew.* ii. 25.

*Tarton-raire gallo-provinciae.* *Raii europ.* 243. On

rocks on the sea shore not far from Salernum.—

*Ger. by Johns.* 506. repr. from

Tarton-raire gallo-provinciae massiliensium. *Lob.*

*adv.* 160, which repr. in *ic.* i. 371, & cop. in

Tarton-raire massiliensium. *Park. theatr.* 199. *Bauh.*

*J.* i. a. 593. On the sea shore at Marseilles. The

fig. cop. from

Sanamunda I. *Clus. hisp.* 175, in the provinces of

Granada and Valentia; which repr. in *hist.* i. 88,

*Lob. obs.* 624; *ic.* ii. 217, & *Ger. by Johns.* 1595,

may possibly prove to be *D. nitida*.

*Thymelaea foliis candicantibus serici instar mollibus.*

*Raii hist.* 1588.

*SANAMUNDA.* *Dale* 314.

4. *DAPHNE Laureola.* Corymbi axillary, with many

flowers. Leaves lanceolate, glabrous. *Obs.* 848.

In woods, on marle and limestone.—*L. sp.* 510.

*Asso n.* 342. *Bot. arrang.* 403. *Walc. t. Jacq.*

*austr. t.* 183. *Smith engl. t.* 119; *brit.* 421.

*Lightf.* 205. Found by Parsons on the banks

of the river at Roslin.—*Gouan hort.* 196. Near

Montpelier.—*Northumb. guide* i. 37.

*Thymelaea Laureola.* *Scop. carn. n.* 463.

*Thymelaea foliis duris lacvibusque, floribus inter-*

*mistis. Willich obs.* 6. n. 11.

*Thymelaea lauri folio sempervirens, seu Laureola*

*mas. Boerh.* ii. 213.

*Thymelaea lauri folio sempervirens, seu Laureola*

*mas. Vaill. paris.* 191.

*Laureola cum flore. Lob. ic.* i. 368, repr. in

*Laureola florens, Ger. by Johns.* 1404, & cop. in

*Park. theatr.* 205, &

*Daphnoides, sive Laureola cum flore. Dalech.* 211.

*Daphnoides cum fructu. Lob. ic.* i. 368, cop. in

- Laureola cum fructu.* *Dalech.* 213, &  
*Laureola cum baccis.* *Park. theatr.* 205, and repr.  
 in  
*Laureola.* *Dod.* 361 *Raii hist.* 1587; *syn.* 465.  
*Daphnoides, seu Laureola.* *Dalech.* 211.  
*Laureola sempervirens, flore luteolo.* *Bauh. J.* i.  
 564. About Padua, Geneva, and Basle.  
*Branches tough. Leaves smooth, glabrous. Calyx*  
*glabrous, separable into 2 laminae, yellowish*  
*green, deciduous. Style shorter than the stigma.*  
*Drupe monospermous, ovate.* *Obs.* 6227.  
*Native of Spain, Italy, Carniola, Austria, Swit-*  
*zerland, France, and Britain.*  
*LAUREOLA.* *Alst.* ii. 260. *Dale* 313. *Krock.*  
*n.* 600. *Lew.* ii. 431. *Mill. Jos.* 260. *Rutty* 277.  
*D. Laureola.* *Spielm.* 484.  
*Laureola sempervirens, flore viridi.* *Chom.* 36. *Vog.*  
 239.  
*Laureola mas.* *Geoffr.* iii. 691.  
*Mezereum.* *Linn.* 120. *Murr.* iv. 638.  
*Laureole male.* *Tourn.* i. 121.

2. *Flowers terminal. L.*

5. *DAPHNE Gnidium.* *Racemi terminal. Leaves*  
*lineari-lanceolate, acuminato-cuspidate.* *Obs.* 8002.  
*Specimen gathered by Mr. Boraston at Gibraltar.—*  
*L. a Willd.* ii. 420; *sp.* 511. *Hort. kew.* ii. 26.  
*Gouan hort.* 196. Near Montpellier.  
*D. floribus racemosis, foliis lineari-lanceolatis acumi-*  
*natis integris.* *Guett.* ii. 427. On the sea beach  
 on the coast of Poitou between Longueville and  
 Jarre.  
*Thymelaea Dodonaei.* *Dalech.* 1666.  
*Thymelaea.* *Cam. epit.* 974. *Raii hist.* 1588; *cu-*

*rop.* 248. In Italy, and the south of France, in low fields.—*Clus. hisp.* 172, repr. in *hist.* i. 87, *Dod.* 360; ed. ii. 364, & *Ger. by Johns.* 1403, & cop. in *Park. theatr.* 201,

*Thymelaea vera.* *Dalech.* 1667, &

*Thymelaea monspeliaca.* *Bauh. J. i. a.* 591. *Magn. monsp.* 252.

*Thymelaea grani gnidii.* *Lob. adv.* 156, repr. in *ic.* i. 369.

**THYMELAEA.** *Alst.* ii. 260. *Dale* 314. *Geoffr. suite* iii. 181. *Lew.* ii. 431. *Murr.* iv. 639.

*Grana Cnidia.* *Mill. Jos.* 218. *Rutty* 222.

*D. Gnidium.* *Barton, account from in chir. rev.* ii. 286. *Schreb. sp. Linn.* 120. *Spielm.* 484.

6. **DAPHNE Cneorum.** Flowers fasciculate, sessile. Leaves lanceolate, glabrous, mucronate. *L. sp.* 511. *Curt. mag. t.* 313. *Hort. kew.* ii. 26. *Pölich.* i. n. 380. *t. f.* 4, who describes the fruit as a capsule.—*Reich. francof. n.* 255. *Roth germ.* i. 171; ii. 446. *Jacq. austr. t.* 426.

*Cneorum album.* *Dalech.* 1364.

*Thymelaea alpina linifolia humilior*, flore purpureo odoratissimo. *Tourn. inst.* 594. *Boerh.* ii. 213.

*Cneorum Matthioli.* *Park. parad.* 397. *t.* 399. *f.* 3. *Clus. pan.* 55, repr. in *hist.* i. 90, &

*Cneoron Matthioli.* *Ger. by Johns.* 1596, and cop. in

*Cneorum Matthioli suffrutex.* *Bauh. J. i. a.* 570, & *Thymelaea minor*, sive *Cneorum Matthioli.* *Park. theatr.* 201.

*Thymelaea minor.* *Cord.* 189, cop. in

*Thymelaea minor Cordi.* *Bauh. J. i. a.* 570.

*Thymelaeae affinis facie externa.* *Raii hist.* 1589. About Basle, and in several places in Germany.



*Cneorum* aliud. *Dalech.* 1365.

*Cneorum.* *Matth.* 46.

*Leaves*, the costa ending in a short incurvate mucro, surely perennial. *Calyx* not separable into 2 laminae. *Obs.* 5752. In Mr. Wilkinson's garden.  
*CNEORON niger.* *Dale* 314.

7. *DAPHNE Lagetto.* Spikes paniculate, terminal.  
Leaves ovate, acute. *Swartz. prodr.* 63; *ind. occid.* ii. 680.

Frutex foliis majoribus cordatis nitidis, petiolis semipollicaribus insidentibus. *Browne* 371. *t.* 31. *f.* 5, a leaf.

Laurifolia arbor, folio latiore longo mucronato laevi splendente, cortice interiore in telas plurimas linearum aemulas extensili. *Sloane cat.* 137; *hist.* ii. 22. *t.* 168. *f.* 1. 2. 3. *t.* 169. *f.* 1.

*DAPHNE Lagetto.* *Wright in med. journ.* viii. 250.

8. *DAPHNE monostachya.* Spikes axillary, solitary.  
Leaves ovato-lanceolate, entire at the margin.  
*L. a Willd.* ii. 420, from authors.

*SCHERU-VALLI-CANIRAM.* *Rheede* vii. 7. *t.* 4.

9. *DAPHNE polystachya.* Spikes axillary, 2 and 3 together. Leaves ovate, acuminate, entire at the margin. *L. a Willd.* ii. 420, from authors.

*TJEREU-CANIRAM.* *Rheede* vii. 3. *t.* 2.

### 398. DIRCA.

*Calyx* none. *Corolla* tubular; limb very short.

MONOGYNIA. 399. Petiveria. 379

*Stamina* longer than the tube of the corolla. *Berry monospermous.* L.

1. *DIRCA palustris.* L. *amoen.* iii. 12. t. 1. f. 7; *sp.* 512. *Hort. kew.* ii. 27.  
*Dirca.* Gron. *virg.* 60.  
*DIRCA palustris.* Bart. 32. *Coxe* 371.

399. PETIVERIA.

*Calyx* tetraphyllous. *Corolla* none. *Style* lateral. *Stigma* pencilshaped. *Capsule* not opening, monospermous, with 4 hooks at the end. *Obs.* 8579. *Swartz. obs.* 137. t. 10. f. 3. L.

Placed in this class, 8 stamens being a duplicate of 4 phylla and 4 hooks at the end of the capsule; the number of stamens being uniform in *P. ootandra*, and varying up to 8 in *P. alliacea*.

1. *PETIVERIA alliacea.* L. *sp.* 486; *a Murr.* 350. *Hort. kew.* i. 491. *Swartz. obs.* 138. *Trew select.* 33. t. 67. Filaments purple.

*Petiveria.* L. *ups.* 91. *Browne* 274.

*Verbenae aut scorodoniae affinis anomala, flore albidō, calyce aspero, allii odore.* *Sloane cat.* 64; *hist.* i. 172.

*Spikes* filiform, from 2 to 15 inches long. *Flowers* distinct. *Bracteae* ovate, acuminate, ciliate, solitary. *Calyx* twice as long as the bracteae; phylla linear. *Stamina* mostly 6, sometimes 5, 7, and 4, generally 2 shorter than the rest, the longer nearly as long as the calyx. *Filaments* attenuate, inserted into the base of the calyx. *Germén* oblong, villose at the end, half as long as the stamens. *Style* short, lying

in a furrow of the germen. *Stigma* not readily distinguishable from the villi of the germen. *Obs.* 8579. Specimen gathered by Dr. Wright in Jamaica.—*Obs.* 8583. Specimen gathered by Broughton in Jamaica.

*SCORODONIA.* *Linn.* 116. *Vog.* 118.

#### 400. ACER.

*Calyx* quinquefid. *Petals* 5. *Stamina* 8. *Pistil*

1. *Capsules* 2 or 3, with 1 seed, not dehiscent, terminated by a wing. *Obs.* 5471. *L.*

Some flowers interspersed without a germen and style.

1. *ACER tricuspidatum*. Leaves trilobate; lobes acuminate, doubly serrate; teeth acuminate. *Obs.* 4328. Specimen gathered in Fothergill's garden.

*A. pensylvanicum.* *Hort. kew.* iii. 435. *L. sp.* 1496.

*ACER canadense.* *Marsh.* 3.

2. *ACER montanum*. Leaves trilobate and quinquelobate; lobes acute, serrate. Racemi compound. Calyces pilose. *Hort. kew.* iii. 435.

*ACER pensylvanicum.* *Marsh.* 21

3. *ACER dasycarpum*. Leaves palmato-quinquelobate. Flowers conglomerate. Germina tomentose. From *L. a Willd.* iv. 985, *Ehrhart*, &

*A. eriocarpon.* *Michaux* ii. 253.

*A. rubrum.* *Marsh.* 3. Leaves trilobate and nearly quinquelobate.

*A. virginianum*, folio majore subtus argento supra viridi splendente. *Catesb.* i. t. 62. Leaf trilobate; lobes serrate.—*Mill. Ph.* ic. 6. var. 2. t. 8. f. 2.

*ACER* dasycarpum. *Hermstaedt*, account from in med. rev. iii. 391, & *phys. journ.* iv. 246.

4. *ACER rubrum*. Leaves palmato-quinquelobate. Flowers aggregate, on longish peduncles. Germina glabrous. From *Michaux* ii. 253, and *L. a Willd.* iv. 984; sp. 1496. *Hort. kew.* iii. 434.

*A. glaucum*. *Marsh.* 2.

*A. foliis quinquelobis acuminatis acute serratis, petiolis teretibus.* *L. ups.* 94.

*A. virginianum*, folio majore subtus argenteo supra viridi splendente. *Mill. Ph.* ic. 6. var. 1. No fig.—*Pluk. phyt.* t. 2. f. 4. No fructifications.

*A. virginianum*, folio subtus incano, flosculis viridi rubentibus. *Herm. par.* 1. t. 1.

*ACER rubrum.* *Berg.* 827. n. 518. l. 5 from the bottom.—*Kalm.* i. 131. *Schoepf* 153.

5. *ACER Pseudo-Platanus*. Leaves quinquelobate, crenato-serrate. Racemi compound. *Obs.* 4331. Near houses.—*L. sp.* 1495. *Bot. arrang.* 1147, where at 1148, l. 5 erase woods inadvertently cop. from *Relh. ed.* i. n. 744. *Smith engl. t.* 303; *brit.* iii. 422. *Pollich n.* 944. In woods.—*Roth germ.* i. 431.

*A. montanum candidum.* *Tourn. paris.* 377. *Vaill. paris.* 2. *Boerh.* ii. 234.

The Sycomore Tree. *Erel. by Hunt.* i. 193. t.

*A. campestre*, *Carpinus.* *Dalech.* 83.



*Platanus*. *Trag.* 1125, repr. in

*A. majus*. *Cord. fol.* 175. p. 2. *Raii syn.* 470.

*Ger. by Johns.* 1484, repr. from

*A. major*. *Dod.* 828.

*A. latifolius*. *Glus. hist.* i. 10, repr. in

*Acer*. *Lob. ic.* ii. 199, cop. in

*A. majus latifolium*, *Sycomorus falso dictum*. *Park. theatr.* 1425, & repr. in

*A. major Cordi*. *Lob. obs.* 614; *ic.* ii. 199, f. 1, repr. from

*Acer*. *Lob. adv.* 443. f. 1, & cop. in

*A. majus*, multis falso *Platanus*. *Bauh. J.* i. b. 163.

f. 1. *Raii hist.* 1701. On Mount Saleve not far from Geneva. In England in courts, churchyards, garden walks, and near the houses of the nobility.

*Capsule* lined with silky hairs. *Seed* ovato-semicordate, reddish brown. *Corculum* and *cotyledons* green, whence it appears that there are parts of vegetables which are of a green colour without exposure to light. *Obs.* 5471.

*Native* of Switzerland and Germany; scarcely naturalised in Britain.

*ACER Pseudoplatanus*. *Berg.* 827. par. the last.

*A. majus*. *Dale* 332. *Lew.* i. 16.

*A. montanum candidum*. *Cartheus.* ii. 164, repeated in *Lew. in Neum.* ii. 72.

6. *ACER platanifolium*.—Leaves quinquelobate, acuminate, dentate, glabrous; teeth acute. Flowers corymbose. *L.*

*A. platanoides*. *Willd. berol. n.* 436. *L. suec. n.* 924; *sp.* 1496. *Hort* 546. *Vaill. paris.* 2.

*A. foliis quinquelobis acuminatis acute dentatis gla-*

bris, floribus corymbosis. *Mill. Ph. ic. 6. t. 8. f. 1.*

*A. montanum*, *orientalis platani foliis atro-virentibus. Pluk. alm. 7. t. 252. f. 1.*

*A. major. Cam. epit. 63.*

*A. majus*, multis falso *Platanus. Bauh. J. i. b. 168*, the separate leaf.

*Acer. Lob. adv. 443*, the branch; repr. in

*A. major Cordi. Lob. ic. ii. 199*, the branch, and cop. in

*A. montanum. Park. theatr. 1425.*

*ACER. Berg. 827.*

7. *ACER saccharinum*. Leaves quinquepartito-lobate, pubescent underneath; segments dentate. *Obs. 4329*. Specimen from Prof. Jos. F. Jacquin.—*L. a Murr. 911; sp. 1496. Hort. kew. iii. 434.*

*ACER saccharinum. Hermbstaedt, account from in phys. journ. iv. 246; and med. rex. iii. 391. Marsh. 4. Schoepf 153.*

*A. americanum. Berg. 828.*

*A. canadense. Cartheus. ii. 164.*

*A. major. Monro iv. 294.*

Sugar Maple. *Lew. in Neum. ii. 72. Rush ii. 73.*

Maple. *Phil. trans. abr. by Hutt. iii. 156.*

*SACCHARUM canadense. Lew. i. 16.*

Sacchari altera species. *Geoffr. ii. 754.*

Maple Sugar. *Dudley in phil. trans. abr. by Reid and Gray vi. part iii. 320; and by Hutt. vi. 458.*

8. *ACER campestre*. Leaves quinquelobate; lobes obtuse, obtusely dentate; margin entire. *Obs. 399.* In hedges.—*L. succ. n. 925*, seldom bearing fruit

in Sweden; *sp.* 1497. *Bot. arrang.* 1148. *Smith engl. t.* 304; *brit.* iii. 422.

*A. campestre et minus.* *Tourn. paris.* 378. *Vaill. paris.* 1. *Boerh.* ii. 234.

*A. minor.* *Dod.* 829, *cop. in*

*A. montanum.* *Dalech.* 95, (misprinted 83,) *repr. in*

*A. minus.* *Ger. by Johns.* 1484, & *cop. in Park. theatr.* 1425. *Raii syn.* 470.

*A. vulgare minori folio.* *Bauh. J.* i. b. 166.

*Acer.* *Trag.* 1123, *repr. in*

*A. tenuifolium.* *Cord. fol.* 174. p. 2.

The common Maple tree. *Evel. by Hunt.* i. t. at p. 183.

*ACER.* *Dale* 332.

9. *ACER fraxinifolium.* Leaves compound, folioles serrate. *Obs.* 8718. Specimen gathered in a garden at Worcester.

*A. Negundo.* *L. a Willd.* iv. 992; *sp.* 1497. *Hort. kew.* iii. 436.

*A. foliis compositis.* *Gron. virg.* 161.

*ACER Negundo.* *Marsh.* 2. *Schoepf* 153.

#### 401. ORNITROPHE.

*Calyx* quadripartite. *Petals* 4. *Germen* didymous. *Stigma* bifid. *Drupe*s 1 to 2. From *Juss.* 247, & *Roxb.*

1. *ORNITROPHE serrata.* Leaves ternate, scabrous. Folioles petiolate, ovate, acuminate, serrate. Racemi simple. *L. a Willd.* ii. 322.—*Roxb.* i. 44. t. 61.

2. ORNITROPHE Cobbe. Leaves ternate; folioles petiolate, ovate, acute, serrate, pubescent. Racemi simple. Peduncle tomentose. *L. a Willd.* ii. 322?

Rhus Cobbe. *L. sp.* 382?

ALLOPHYLLUS ternatus. *Lour.* i. 286.

## 402. SCYTALIA.

*Calyx* quinque-dentate and semi-quinquefid. *Petals* 5. *Germen* with 2 furrows. *Stigmata* 2. *Drupe* 1 to 2. *From Juss.—Gaertn.*

Euphoria. *Juss.* 247.

Aporetica. *Forst. J. gen.* 131. *t.* 66, who describes 2 styles, but in the fig. there is a bifid style.

Pometia. *Forst. J. gen.* 109. *t.* 55, appears nearly allied to it, but has a compressed stigma.

1. SCYTALIA squamosa. Fruit squamose. *Specimen* of the fruit in Mr. Knowlton's herbarium.

*S. chinensis.* *Gaertn.* i. 197. *t.* 42. *Drupe* ovato-globose.

Dimocarpus Litchi. *L. a Willd.* ii. 346.

Dimocarpus Lichi. *Lour.* i. 287.

Sapindus edulis. *Hort. kew.* ii. 36; iii. 502. *Vahl.* *symb.* iii. 55.

Lischia sive Lischion indiae orientalis. *Zanon. Hist.* 147. *t.* 108.

Lit-chi. *Juss.* 248.

LAT-YEE. *Osbeck.* i. 308.

Li-Chi. *Du Halde* i. 8.



2. *SCYTALIA verruculosa*. Fruit nearly smooth.  
From

Dimocarpus Longan. *Lour.* i. 288,  
Euphoria verruculosa. *Salisb. R. allert.* 280,  
Lon-gan. *Juss.* 248, &  
*LANG-MN. Osb.* i. 308.  
Long-yen. *Du Halde* i. 8.

3. *SCYTALIA crinita*. Fruit with long villi. From  
Dimocarpus crinita. *Lour.* i. 288.  
*RAMPOSTAN. Bont.* 109.

403. SAPINDUS.

*Calyx* tetraphyllous and pentaphyllous. *Petal* 4,  
with linear appendages at the base. *Drupes* 1 to  
3, connate at the base. *Obs.* 8424. *L.*

1. *SAPINDUS alata*.—Without prickles. Leaves pin-  
nate; folioles lanceolate. Petiole winged. *H. K.*  
—*Salish. R. allert.* 280.

*S. Saponaria. L. sp.* 526. *Hort. kew.* ii. 35. *Forst.*  
*G. austral.* n. 178. *Michaux* ii. 242. Leaves ab-  
ruptly pinnate.

*Quassia amara. L. amoen.* vi. 423. t. 4. at p. 429,  
*abr. in Lettsom in med. soc. i. t. 1, at p. 128, the*  
branch with leaves. (The name, descr. and the  
rest of the fig. belong to *Quassia alata*.)

*S. foliis oblongis vix petiolatis per costam ample*  
*alatom dispositis. Browne* 206. *Germen trilobate*  
and quadrilobate. *Style* 1.

*Saponaria. Rumph.* ii. 134.

*Nux americana, foliis alatis bifidis. Comm. hort. i.*  
*183. t. 94.*

DIGYNIA. 404. Chrysosplenium. 387

Prunifera racemosa, folio alato, costa media membranulis utrinque extantibus donata, fructu saponario.

*Sloane cat.* 184.

Saponariae sphaerulae arboris filicifoliae. *Bauh. J. L. a.* 312.

(Nuciprunifera arbor americana, fructu saponario orbiculato monococco nigro. *Pluk. phyt. t.* 217. f. 7, seems to a plant which has a permanent calyx.)

SAPONARIAE nuculae. *Lew. ii.* 389. *Linn.* 122.

*Schoepf* 59. *Vog.* 171. a

Arbor Saponaria. *Dale* 309.

2. SAPINDUS *laurifolia*. Leaves pinnate; folioles ovato-oblong, attenuate, glabrous. Petiole not winged. Petals tomentose at the margin. *Vahl. symb.* iii. 54. *L. a Willd.* ii. 469.

*S. trifoliata*. *L. sp.* 526.

Prunifera fructu racemoso parvo, nucleo saponario. *Rajii hist.* 1548.

*Poeringii*. *Rheede* iv. 43. t. 19.

SAPONARIAE nuculae  $\beta$  *Vog.* 172.

D I G Y N I A.

404. CHRYSOSPENIUM.

*Calyx* quadrifid and quinquefid, coloured. *Corolla* none. *Capsule* with 2 beaks, 1 cell, and many seeds. *L.*

1. CHRYSOSPENIUM *alternifolium*. Leaves alter-

nate. *L.*—*Bot. arrang.* 404. *Smith engl. t.* 54;  
*Brit.* 447. *Walc. t.* *Fl. dan. t.* 366.

*Saxifraga aurea*, foliis pediculis oblongis insidentibus. *Raii syn.* 158; *hist.* 207.

*Saxifraga aurea Dodonaei.* *Dalech.* 1113. *Bauh. J. iii.* 707.

*Saxifraga alpina.* *Dalech.* 1114.

Long golden Saxifrage. *Pet. herb. t.* 6. *f.* 10.

*Stem* pilose below, glabrous above. *Radical leaves* pilose on both sides, reniform, crenate, obsoletely emarginate with a just sensibly projecting point in the middle, sometimes 8 tenths of an inch long,  $1\frac{1}{2}$  inch broad; *cauline leaves* reniformi-semiorbicular, and flabelliform, 1 to 3 on a stem, crenate, slightly pilose on both sides; teeth rounded. *Petioles* of the root-leaves pilose, two thirds as long and sometimes as long as the stem. *Panicle* corymbose, dichotomous and trichotomous, leafy. *Floral leaves* flabelliform and obcuneiform, crenate, glabrous; teeth rather acute. *Calyx* in all the flowers whether at the first or second division of the panicle or at the ends of the branches quadripartite, yellow; segments ovato-subrotund. *Stamina* 8. *Filaments* yellow. *Antherae* blackish brown, oval. *Pollen* yellow. *Germen* inferior, yellow. *Styles* 2, erect, parallel, at some distance from each other, as long as the stamina, yellow. *Capsule* with 1 cell. *Seeds* numerous, minute, roundish. *Obs.* 6972. On the side of a brook near Kniveton in Derbyshire on the road to Annis meadow lime pits, and between Ashley Hay and Kirk Ireton.

*CHRYSOSPLENIUM alternifolium.* *Krock. n.* 632. *Schocpf* 69.

*Saxifraga sive Hepatica aurea.* *Geoffr. suite ii.* 387.  
*Nasturtium petracum.* *Spielm.* 565.

2. **CHRYSOSPENIUM oppositifolium.** Leaves opposite. *L.—Bot. arrang.* 405. *Curt. lond.* ii. 27. t. 138. *Smith brit.* 448. *Fl. dan.* t. 365.

*Saxifraga aurea lichenis facie et natalitiis.* *Lob. obs.* 336, repr. in

*Saxifraga aurea, lichenis facie et natalitiis.* *Lob. ic.* i. 612, cop. in

*Saxifraga romanorum.* *Dalech.* 1114, &

*Golden Saxifrage.* *Pet. herb.* t. 6. f. 9, & repr. in

*Saxifraga aurea.* *Dod.* 313, *Ger. by Johns.* 841, and cop. in *Park theatr.* 425. *Raii syn.* 158.

*Stem* creeping. *Flowering branches* erect and ascending, 3 inches long. *Leaves* of the stem semiorbicular, flabelliform, deltoid, and orbicular, 5 and 6 tenths of an inch in diameter, crenate, and repandose, hairy on the upper surface glabrous underneath; those of the flowering branches glabrous, crenato-repandose semiorbicular, flabelliform, deltoid; teeth obtuse. *Petioles* of the cauline leaves shorter than the leaves, those of the flowering branches as long as or a little shorter than the leaves. *Panicles* thrice dichotomous. *Floral leaves* flabelliform, sometimes rhombic and trapeziform, obtusely crenate, 2 and 3 tenths of an inch diameter, one at the second and superior dichotomies, none at the first. *Flowers* wholly yellow. *Calyx* quadripartite. *Nectaria* 2, semiorbicular, fleshy, spreading horizontally from the base of the styles, crenate, teeth 4 obtuse. *Stamina* 8, inserted into the calyx, beyond the margin of the nectaria. *Germen* inferior, of 1 cell, with many roundish seeds. *Styles* 2, parallel, distinct, contiguous. *Obs.* 6974.

**CHRYSOSPENIUM oppositifolium.** *Krock.* n. 633. *Schorpf* 69.



## TRIGYNIA.

## 405. POLYGONUM.

*Calyx* quinquepartite quadripartite and tripartite, permanent. *Corolla* none. *Seed* 1, inclosed by the calyx. *Obs.* 4148. *L.*

1. *Stem herbaceous. Stamina* 5, 6, and 7.

1. **POLYGONUM** *amphibium*. *Stamina* 5. *Style* semibipartite. *Spikes* lanceolate and oblong. *Root* creeping. *Obs.* 5054. 8160. *In* and near water.—*L. succ. n.* 341; *sp.* 517. 1680. *Bot. arrang.* 408. *Smith brit.* 423.

*Persicaria salicis folio perennis*, *Potamogeton angustifolium dicta. Raii syn.* 145.

*Persicaria salicis folio perennis. Boerh. ii.* 87. *In Holland.*

*Leaves* cordate at the base. *Obs.* 5054. 8160.

**POLYGONUM** *amphibium. Coste and Willem. in med. comment. v.* 298.

*Persicaria acida. Murr. iv.* 411.

*Potamogeton. Vog.* 113.

- a aquaticum. (Variation.) Sides of the leaves* glabrous; *margin* microscopically aculeate. *Obs.* 5054. *Bot. arrang. a*

*P. amphibium. Fl. dan. t.* 282. *Smith engl. t.* 436.

*Margin of the leaves* represented as serrulate, and the cordate shape of the base not expressed.

*Potamogeton angustifolium. Tab. ic.* 740.

*Persicaria salicis folio, Potamogeton angustifolium dicta. Raii hist.* 184. *Tourn. paris.* 221. *Vaill. paris.* 158.

Potamogeton. *Dod.* 572, repr. in

Potamogeton, sive Fontalis. *Lob. obs.* 164, and cop. in

Potamogeton sive Fontalis major latifolia vulgaris. *Park. theatr.* 1254, upper fig.

Potamogeton sive Stachyites fontalis et spicata. *Lob. ic.* i. 307, repr. in

Potamogeton angustifolium. *Ger. by Johns.* 821, & cop. in

Fontalis major longifolia. *Park. theatr.* 1254.

Potamogeton II. *Dalech.* 1008.

Potamogeton sive Fontalis persicariae folio. *Bauh. J.* iii. 777. No fig.

*Leaves* ovato-lanceolate. *Filaments* as long as the calyx. *Nectaria* 5, glandular, inserted into the calyx below the insertion of the stamina. *Obs.* 5054.—

*Leaves* lanceolato-oval. *Obs.* 8719. Specimen gathered by Mr. Hollefeare in Worcestershire.

β *terrestre.* (Variation.) *Leaves* scabrous. *Obs.* 8160. *Bot. arrang.* 408 β

γ *amphibium.* *Curt. lond.* iv. 28. t. 223.

*Leaves* lanceolate, scabrous with short hairs. *Racemi* terminal. *Flowers* after flowering falling off. *Calyx* quinquepartito-quinquefid; segments oval, incumbent, unequal. *Stamina* 5, pink, twice as short as the calyx. *Pistil* longer than the calyx. *Antherae* without pollen, whence probable that only the plants growing in water are productive. *Obs.* 8160.

2. POLYGONUM *Persicaria.* *Stamina* 6. *Style* bifid and trifid. *Racemi* oblong. *Leaves* lanceolate. *Stipulae* and *bracteae* ciliate. *Obs.* 4148. On a dunghill.—*L. suec.* n. 342; *sp.* 518. *Curt.*

- lond. i. 23. t. Walc. t. Bot. arrang. 410. Smith brit. 424; engl. t. 756. Fl. dan. t. 702.*  
*Persicaria mitis maculosa. Tourn. paris. 30.*  
*Persicaria maculosa. Raii syn. 145.*  
*Persicaria. Fuchs. 602. c. 242, cop. in*  
*Persicaria altera. Trag. 91, &*  
*Persicaria mitis. Bauh. J. iii. 779.*  
*Persicaria sive Hydropiper I. Tab. ic. 857.*  
*Persicaria altera. Cam. epit. 353.*  
*Persicaria urens. Lob. obs. 171, repr. in*  
*Hydropiperi. Lob. ic. i. 315, Dod. 597, &*  
*Hydropiper. Ger. by Johns. 445, & abr. in*  
*Persicaria vulgaris urens. Park. theatr. 857, outer*  
*fig.*  
*Spotted Arsmart. Pet. herb. t. 3. f. 7.*  
*Seeds triquetrous with convex sides in some plants*  
*Obs. 4148, and depressed sides in others, and some*  
*in the same plant ovate, compressed, with a slight*  
*ridge on one side. Obs. 5053.*  
**POLYGONUM** *Persicaria. Schoepf 58.*  
*Persicaria mitis. Boccl. ap. Herm. 523. Geoffr.*  
*suite i. 354. Lew. ii. 193. Murr. iv. 411. Spielm.*  
*540. Vog. 113.*  
*Persicaria maculosa. Dale 73. Mill. Jos. 339.*  
*Persicaria mitis maculosa et non maculosa. Chom.*  
*646.*

3. **POLYGONUM** *Hydropiper. Stamina 6. Style*  
*bifid. Corolla trifid, dotted. Leaves lanceolate.*  
*Spikes filiform, nodding. Obs. 5070. In a corn*  
*field.—L. suec. n. 313; sp. 517. Bot. arrang.*  
*408. Curt. lond. i. 26. t. Smith brit. 426. Scop.*  
*earn. n. 467. Pollich n. 384. Roth germ. ii. 451.*  
*Krock. n. 607.*  
*Persicaria urens, seu Hydropiper. Tourn. paris,*

219. *Vaill. paris.* 158. *Boerh.* ii. 87. In Holland.

Hydropiper. *Fuchs.* 800. c. 326, *cop. in*  
*Persicaria acris*, sive Hydropiper. *Bauh. J.* iii. 780.  
*Raii hist.* 182; *syn.* 144.

Hydropiper, seu *Persicaria.* *Cam. epit.* 352.

Common Arsmart. *Pet. herb. t.* 3. f. 5.

**PERSICARIA.** *Pharm. succ.—Alst.* ii. 196.

*Berg.* 308. *Herm.* 522. *Linn.* 121. *Schoepf* 58.

*Persicaria acris.* *Spielm.* 540.

*Persicaria urens.* *Geoffr. suite i.* 359. *Lew.* ii. 193;  
*disp.* 195. *Murr.* iv. 409. *Vog.* 113.

*Persicaria non maculata.* *Dale* 73. *Mill. Jos.* 340.

*Persicaria urens*, sive Hydropiper. *Chom.* 646.  
*Rutty* 384.

4. **POLYGONUM** *barbatum.* Stamina 6. Style trifid. Spikes rodlike. Stipulae truncate, ciliate; ciliae setaceous. Leaves lanceolate. *From L. sp.* 518; *mant.* 376; *a Murr.* 377, and *Lour.* i. 296. *Burm. N. ind.*, 89, from Java.—*Thunb. jap.* 165; *cap.* 77.

a *glabricaule.* Stem glabrous. Leaves villose. *From Thunb. ib. a*

**SCHOVANNA-MODELA-MUCCU.** *Rheede* xii. 147. t. 77.

*Rio. Kaempf.* 891.

§ *hirsutum.* Stem slightly villose. Leaves hirsutulous. *Obs.* 8716. Specimen from Dr. Wright from the East Indies.

*Persicaria maderaspatana*, longiore folio, hirsuta. *Pluk. alm.* 288. t. 210. f. 7.

*Koo. Kaempf.* 891.

*Petioles* shorter than the breadth of the leaves.



*Bractæe* vaginant, hirsute; ciliæ nearly as long as the bractea. *Obs.* 8716.

*VELUTTA-MODELA-MUCCU.* *Rheede* xii. 145. t. 76.

5. *POLYGONUM orientale.* Stamina 7. Style semibifid and semitrifid. Leaves ovate. Stem erect. Stipulæ ciliate, those of the stem hypocrateriform. *Obs.* 497. In a garden.—*L. sp.* 519. *Hort. kew.* ii. 32. *Curt. mag. t.* 213.

*Persicaria florum staminibus sex pluribus, stylo duplici.* *Royen* 216.

*Persicaria foliis ovato-lanceolatis acutis, floribus pentandris, caule erecto.* *Mill. Ph. ic. t.* 201.

*Persicaria orientalis, nicotianæ folio, calyce florum purpureo.* *Comm. rar.* 43. t. 43. *Boerh.* ii. 87.

*Helxine foliis lanceolatis, caule diffuso.* *L. ups.* 96.

(*Schovanna-modela-muccu.* *Rheede* xii. 147. t. 77, and

*Velutta-modela-muccu.* *Rheede* xii. 145. t. 76, are *P. barbatum.*)

*Germen triquetrous and compressed.* *Obs.* 497.

*POLYGONUM orientale.* *Krock. n.* 609. Naturalised in Sillesia.

2. *Stamina* 8. *Styles* 3. *Stem* simple.

6. *POLYGONUM Bistorta.* Radical leaves ovate, running down the petioles. *Obs.* 4782. In a meadow on the right side of the Rother near Chesterfield.—*Fl. dan. t.* 421. *Woodv.* i. 100. t. 34. *Roth germ.* i. 172. *Host* 215. *Jacq. vind.* 66.

*a rugifolia.* Leaves rugose. From *Fuchsius.*

*P. Bistorta.* *Huds.* 168. In Cumberland, Westmorland, Yorkshire, and near Battersea.—*Lightf.*

206. About Inverary.—*Pollich. n.* 382. In moist meadows.—*Bot. arrang.* 406. *Curt. lond.* i. 22. *t. Smith engl. t.* 509; *brit.* 427. *Roth germ.* ii. 449. *Gort. belg. n.* 252.

*Bistorta foliis ovato-oblongis acuminatis.* *Royen* 217.

*Bistorta major, radice minus intorta.* *Boerh.* ii. 86. In Holland.—*Magn. hort.* 33. *Mill. Ph. ic.* 44. *t.* 66.

*Colubrina seu Serpentaria foemina.* *Fuehs.* 774. *ed. fol. cop. in* 734. *c.* 297, &

*Bistorta major rugosioribus foliis.* *Bauh. J.* iii. b. 538, on mountains near Montpellier, and on Mount Thuri near Geneva; the root *cop. in*

*Colubrina.* *Trag.* 321, which repr. in

*Bistorta.* *Cord.* 87. *Cam. epit.* 689. *Lon. kraut. fol.* 132. *p.* 2. *Dod.* 331, repr. in *Lob. obs.* 156,

*Bistorta britannica.* *Lob. ic.* i. 292,

*Bistorta major.* *Clus. hist.* ii. 69, and *Ger. by Johns.* 399. *Tab. ic.* 434. *Rati hist.* 186; *syn.* 147.

*Best. hort. vern. ord.* 9. *fol.* 2. *f.* 1.

*Bistorta major vulgaris.* *Park. theatr.* 391.

*Bistorta minor.* *Tab. ic.* 435.

Notterwurtz das manlin. *Brunsf. i. t.* 62.

*Racemus* terminal, spikelike. *Stamina*, the 3 inner opposite to the sides of the germen, the 5 outer inserted at the fissures of the corolla. *Filaments* of the 3 inner stamina ovate at the base. *Germen* triquetrous. *Obs.* 4782.

Native of Switzerland, the south of France, Germany, Holland, and Britain.

**BISTORTA.** *Bistort.* The root. *Pharm. lond.*

—*Alst.* i. 398. *Berg.* 308. *Cartheus.* ii. 136.

*Cull.* ii. 40. *Dale* 74. *Geoffr.* iii. 194. *Herm.*

165. *Hill* 606. *Krock. n.* 603. *Lew.* i, 222.

*Mill. Jos.* 87. *Monro* iii. 33. *Murr.* iv. 407.  
*Quarin anim.* 265. 305. *Rutty* 66. *Schoepf* 58.  
*Schrod.* 547. *Spielm.* 416. *Vog.* 189.

*P. Bistorta.* *Pharm. edin.*—*Caley in bot. arrang.*  
*ed.* IV. ii. 376. *Lew. disp. by Dunc.* 285. *Murr.*  
*J.* i. 216. *Pearson, R. ed.* ii. 350.

*Bistorte.* *Chom.* 590.

♂ *laevifolia.* Leaves smooth, smaller than those of *a.*  
*From Fuchs. & J. Bauh.*

*P. Bistorta.* *L. sp.* 516. *Gouan hort.* 198. Near  
 Montpellier.—*Roth. germ.* ii. 450. *var.* 1, but he  
 does not appear to have seen it.—*Krock. n.* 603.

*Bistorta major, radice magis intorta.* *Baerh.* ii. 86.  
*Magn. hort.* 33. *Rupp. ab Hall.* 98.

*Bistorta.* *L. ups.* 95. *Lon. kraut, fol.* 132. *p.* 2.  
 No fructifications.—*Cord.* 87, *repr. from*

*Colubrina.* *Trag.* 321, the leaves and stem of  
 which *cop. from*

*Serpentaria mas, seu Bistorta.* *Fuchs.* 773. *ed. fol.*  
*which cop. in* 733. *c.* 297, &

*Bistorta media, folio minus rugoso.* *Bauh. J.* iii. *b.*  
 539. On Mount Jura. Laminae of the leaves not  
 decurrent.—*Raii hist.* 186.

*Native of Switzerland, the south of France, and*  
*Germany.*

*BISTORTA.* *Linn.* 120. *Quarin anim.* 202.

*Bistorta radice magis intorta.* *Geoffr.* iii. 195.

7. *POLYGONUM viviparum.* Leaves lanceolate.  
*Obs.* 6097. In Miss Wood's garden.—*L. sp.* 516;  
*succ. n.* 340; *mant.* 376. *Bot. arrang.* 407.  
*Lightf.* 206. *Smith brit.* 428; *engl. t.* 669.  
*Curt. excurs.* In Wensley dale in Yorkshire.—  
*Fl. dan.* 13.

*Bistorta foliis lanceolatis.* *L. lapp. n.* 152.

*Bistorta minor.* *Raii syn.* 147. Found by Willisel between Wherf and Settle in Yorkshire, and by Lawson at Crosby Ravensworth near Shap in Westmorland, where it had been noticed in *Ger. by Johns.* 399, repr. from *Clus. pann.* 479, which repr. in *hist.* ii. 69, the inner fig. cop. in *Park. theatr.* 392, &

Small *Bistort.* *Pet. herb. t. 5. f. 2,* & both figures cop. in

*Bistorta minima.* *Bauh. J. iii.* 539, the 2 inner figures.—outer fig. cop. from

*Bistorta minor seu alpina.* *Cam. epit.* 684, which is said by Haller to express the oval radical leaves which I have not seen.

*Bistorta alpina media.* *Pluk. t. 151. f. 2.*

*Bistorta alpina minima.* *Hall. opusc.* 234. In Switzerland.

*Bistorta alpina minima sobolifera.* *Boerh. ii.* 87.

*Leaves* entire at the margin, the lowermost nearly as long as the stem. *Racemus* terminal, spikelike, the lower half with bulbs, the upper half with flowers. *Bulbs* ovate, acuminate, sessile, brownish red, the root roundish, solid, of a gramoso-farinaceous texture, composed of purplish and white granules, the upper part consisting of 2 leaves one of which resembles a stamen, enfolded by stipulae. *Calyx* white greenish at the base. *Germen* growing to a considerable size, triquetrous, but not containing a seed. *Styles* 3. *Obs.* 6097.

*POLYGONUM viviparum.* *Krock. n.* 605.

3. *Stamina* 8. *Styles or stigmata* 3. *Stem* branched.

8. *POLYGONUM articulare.* Flowers axillary.



Leaves lanceolate. Stem procumbent. *L. succ.* n. 339; *sp.* 519. *Bot. arrang.* 413. *Curt. lond.* i. 27. t. *Walc. t. Smith engl. t.* 1252; *brit.* 429. *Fl. dan. t.* 803.

*P. oblongo angusto folio.* *L. lapp. n.* 153.

*P. latifolium.* *Baerh. ii.* 88.

*P. sive Centinodium.* *Bauh. J. iii.* 375, the upper figure, *cop. from*

*P. mas.* *Fuchs.* 586. c. 234. *Dod.* 113, *cop. in* Common Knotgrass. *Pet. herb. t.* 10. f. 1, &

*P. mas vulgare majus.* *Park. theatr.* 443, and *repr. in*

*P. mas vulgare.* *Ger. by Johns.* 565. *Raii hist.* 184; *syn.* 146.

Native of Europe from the south to Lapland.

**POLYGONUM.** *Atst. ii.* 203. *Geoffr. suite ii.* 40. *Herm.* 564. *Mill. Jos.* 354. *Rutty* 403. *Spielm.* 390. *Vog.* 135.

*Centinodium.* *Dale* 74.

*Centumnodia.* *Berg.* 310. *Krock. n.* 611. *Linn.* 121. *Murr. iv.* 412. *Schoepf* 58.

*Renouce.* *Chom.* 575; *suppl.* 162.

9. **POLYGONUM Fagopyrum.** Leaves cordato-sagittate. Stem nearly erect, unarmed. Angles of the seeds equal. *L. succ. n.* 345; *sp.* 522. *Bot. arrang.* 414. *Smith brit.* 430. *Sibth. ox.* 130. In corn-fields.—*Relh. ed. ii. n.* 352. In a lane.—*Thunb. jap.* 169.

*Fagopyrum vulgare, erectum.* *Tourn. paris.* 194. *Boerh. ii.* 88.

*Fagopyrum.* *Raii hist.* 182; *syn.* 144. Cultivated in fields.

*Fagopyron.* *Dod.* 503, *repr. in*

*Erysimum Theophrasti.* *Lob. obs.* 513; *ic. ii.* 63,

Tragopyron. *Ger. by Johns.* 89, & *cop. in*

Tragopyrum. *Park. theatr.* 1141, &

Buck Wheat. *Pet. herb. t.* 2. *f.* 11.

Frumentum saracenicum. *Matth.* 394. *Dalech.* 383.

Fagotriticum. *Bauh. J.* ii. 993.

Ocymum veterum. *Trag.* 648.

Native of Asia according to Linnaeus, and naturalised as far north as Paris, but scarcely so in England.

FAGOPYRUM. *Berg.* 311. *Geoffr.* iii. 467.

*Linn.* 121. *Schoepf* 59. *Spielm.* 17.

Fagopyrum. *Dale* 73.

P. Fagopyrum. *Bryant* 343. *Knoch. n.* 612. *Pear-*

*son, R.* i. 78.

Ble noir. *Chom.* 744.

# 10. POLYGONUM *Convolvulus.* Leaves sagittate.

Stem twining. Wings of the calyx somewhat narrower than the half of the phylla. *Obs.* 6702.

In a garden, growing spontaneously.—*L. succ. n.*

344; *sp.* 522; *a Murr.* 379. *Bot. arrang.* 415.

*Curt. lond.* iv. 29. *t.* 263. In flower and fruit.—

*Walc. t. Smith brit.* 430. *Scop. cur.* n. 469.

*Fl. dan. t.* 744. In flower.

Fagopyrum vulgare, minus, scandens. *Vaill. paris.* 52.

Fagopyrum vulgare scandens. *Tourn. paris.* 79.

*Boerh.* ii. 88. In Holland.

Helxine caule volubili. *L. lapp. n.* 154.

Fagopyrum scandens sylvestre. *Rat. syn.* 144.

Convolvulum nigrum. *Dod.* 392, *repr. in*

Helxine Cissampelos altera, atriplicis effigie. *Lob.*

*obs.* 343; *ic. i.* 624, *cop. in*

Helxine semine triangulo. *Bauh. J.* ii. 158, *abr.*  
*in*

*Convolvulus minor atriplicis folio.* *Park. theat.* 172, &

Trailing Buck Wheat. *Pet. herb. t. 2. f. 12, and repr. in*

*Volubilis nigra.* *Ger. by Johns.* 863. *Tab. ic.* 876.

*Stem* sometimes erect, to 8 inches long, flexuose. *Calyx*, the keel of the 8 outer phylla with a whitish semitransparent wing. *Style* short. *Stigma* trilobate. *Obs.* 6702.

**POLYGONUM** *Convolvulus.* *Krock. n.* 613.

11. **POLYGONUM** *divaricatum.* *Stamina* 8. *Styles* 3. *Flowers* racemoso-paniculate. *Leaves* lanceolate, glabrous. *Stem* divaricate, patulous, glabrous. *L. a Willd.* ii. 451; *sp.* 520.

*Helxine foliis ovatis, caule recto inermi.* *L. ups.* 96.

**POLYGONUM** *divaricatum.* *Bryant* 18.

12. **POLYGONUM** *multiflorum.* *Leaves* cordate. *Panicle* divaricate, axillary. *Stem* erect, angular, climbing. *L. a Willd.* ii. 456, *from*

**POLYGONUM** *multiflorum.* *Thunb. jap.* 169; *trav.* iii. 86; *iv.* 123.

## 406. COCCOLOBA.

*Calyx* quinquepartite, coloured. *Corolla* none. *Berry* monospermous, formed from the calyx. *L.*

1. **COCCOLOBA** *uvifera.* *Leaves* cordato-subrotund, shining. *L. sp.* 523. *Hort. kew.* ii. 34. *Jacq. amer.* 112. *t.* 73, *leaves* cuspidate; *Sca.* 141.



*Coccolobis* foliis crassis, orbiculatis sinu aperto.

*Browne* 209.

*Guajabara racemosa*, foliis coriaceis subrotundis.

*Plum. ic.* 136. *t.* 145. Leaves obtuse.

*Uvifera litorea*, foliis amplioribus fere orbiculatis crassis, americana. *Pluk. phyt. t.* 236. *f.* 7.

Leaves cuspidate.

*Prunus maritima racemosa*, folio rotundo glabro, fructu minore purpureo. *Sloane cat.* 183; *hist.*

*ii.* 129. *t.* 220. *f.* 3. Leaves obtuse.—*Catesb. ii.* *t.* 96. Leaves cuspidate.

*Populus novi orbis*, praegrandi folio rotundo. *Lob. adv.* 441. No fig.

*Populus novi orbis.* *Lob. adv.* 455, *repr. in ic. ii.* 195, *cop. in Bauh. J. i. b.* 164, &

*Populus americana.* *Dalech.* 1830, *repr. in*

*Populus americana.* *Ger. by Johns.* 1487, & *cop. in*

*Populus rotundifolia americana.* *Park. theatr.* 1411.

*Raii hist.* 1419.

*Folium Gujabara.* *Dalech.* 1850, *cop. in*

*Gujabara.* *Park. theatr.* 1668, &

*Papyracea arbor Gujabara.* *Bauh. J. i. a.* 374. *f.* 1.

*COCCOLOBA uvifera.* *Bryant* 245.

Seaside Grape. *Graing.* 37. 60.

2. *COCCOLOBA pubescens.* Leaves orbiculate, pubescent. *L. sp.* 523; *mant.* 377. *Jacq. amer.* 8ro, 142.

*C. grandifolia.* *Jacq. amer.* 113.

*Scortea arbor americana*, amplissimis foliis aversa parte nervis extantibus. *Pluk. phyt. t.* 222. *f.* 8.

No fructifications.

*COCCOLOBIS arborea*, foliis orbiculatis integris.

*Browne* 210.



3. COCCOLOBA *diversifolia*. Leaves of the smaller branches ovate, of the branches ovato-cordate. *Jacq. amer.* 114. t. 76; 8vo, 144.
4. COCCOLOBA *flavescens*. Leaves lanceolato-oblong, obtuse with a point. *Jacq. amer.* 114. t. 75; 8vo, 143.
5. COCCOLOBA *excoriata*. Leaves ovate. Branches appearing as if deprived of their bark. *L. sp.* 524. *Hort. kew.* ii. 34. *Jacq. amer.* 8vo, 144.  
*C. nivea.* *Jacq. amer.* 115. t. 78.  
*Guajabara alia racemosa, foliis oblongis.* *Plum. lc.* t. 146. f. 1.  
*Arbor indica glycyrrhizae foliis subrotundis, floribus in praelongam spicam adactis.* *Pluk. phyt. t.* 363. f. 4.  
*COCCOLOBIS montana major arborea, foliis subrotundis, cortice laevi.* *Browne* 210.
6. COCCOLOBA *punctata*. Leaves lanceolato-ovate. *L. sp.* 523. *Hort. kew.* ii. 34.  
*C. coronaria.* *Jacq. amer.* 114. t. 77.  
*Uvisfera arbor americana, fructu aromatico punctato.* *Pluk. phyt. t.* 237. f. 4.  
*COCCOLOBIS foliis oblongo-ovatis venosis, uvis minoribus punctatis.* *Browne* 210.
7. COCCOLOBA *tenuifolia*. Leaves, ovate, membranous. *L. amoen.* v. 397; *sp.* 524.  
*COCCOLOBIS frutescens, foliis subrotundis, fructu minori trigono.* *Browne* 210. t. 14. f. 3. Leaf oval. Calyx seldom divided into more than three parts.

## 407. PAULLINIA.

*Calyx* pentaphyllous. *Petals* 4. *Nectarium* tetraphyllous, unequal. *Capsule* turbinate, trigonous, trilocular; cells monospermous. *L. a Willd.*—  
*L.*

1. *PAULLINIA mexicana*. Leaves bipinnate; all the petioles bordered. Stem non-lentic. *L. a Murr.* 380; *sp.* 525; *mant.* 377. (*Jacq. obs.* iii. 11. t. 61. f. 5, a leaf cop. from *Seriana scandens enneaphylla et racemosa*. *Plum. ic.* t. 118. f. 1, is *Seriana angustifolia*. *L. a Willd.* ii. 466.)

*P.* *foliis ternato-decompositis, caule aculeato.* *L. diff.* 152.

*QUAUHMECATL.* *Hern.* 289. Petioles without alae. Folioles elliptico-ovate, serrate.

2. *PAULLINIA pinnata*. Leaves pinnate. Petioles marginate. Folioles shining. *L. sp.* 525; *a Murr.* 380. *Jacq. obs.* iii. 12. t. 62. f. 12. *Clematis* pentaphylla, pediculis alatis, fructu racemoso tricocco et coccineo. *Plum. pl. d'amer.* 76. t. 91.

*Pisum cordatum non vesicarium.* *Stoane cat.* 111.

*Cururu Ape* brasiliensibus. *Rail hist.* 1347.

*CURURU-APE.* *Pis. bras.* 114. No circ. — *Marcev.* 22. No fig.

## TETRAGYNIA.

## 408. ADOXA.

*Calyx* inferior, with 3 lobes. *Corolla* semi-inferior, quinquepartite and quadripartite. *Berry* with 4 and 5 cells, united to the calyx. *Obs.* 5652. *L.*

1. ADOXA *Moschatellina*. *L. suec. n.* 347; *sp.* 527.

*Bot. arrang.* 417. *Curt. lond.* ii. 26. *t.* 137.

*Walc. t. Smith brit.* 432. *Gouan hort.* 200. Near Montpellier.—*Fl. dan. t.* 94.

*Moschatellina foliis fumarie bulbosae.* *Bauh. J.*

iii. a. 206. *Raii syn.* 267. *Tourn. paris.* 496.

*Vaill. paris.* 127. *Boerh. ii.* 79.

*Alabastrites, sive Dentaria minima.* *Park. theatr.* 621.

*Denticulata.* *Dalech.* 1296.

*Moschatella.* *Cord. fol.* 172. *p.* 2.

*Ranunculus minimus septentrionalium, herbido muscoso flore.* *Lob. adv.* 300, *repr. in ic. i.* 674, and

*Radix cava minima, viridi flore.* *Ger. by Johns.* 1091, & *cop. in*

*Ranunculus nemorosus, Moschatella dictus.* *Park. theatr.* 326

*Root* dentate, erect, attenuate downwards, white, fleshy; teeth patulous, acute, bifarious, alternate. *Suckers* horizontal, from the axillae of the teeth of the root. *Stems* 2 and 1, erect, from the axillae of the upper teeth of the root. *Leaves*, radical leaves terminating the upper teeth of the root; cauline

leaves 2, opposite, above the middle of the stem. *Flowers* terminal, nearly sessile, in a roundish head, mostly 5, the 4 lowermost in 2 opposite pairs. *Corolla* campanulate, greenish strawcoloured, that of the terminal flower quinquepartite, that of the lateral flowers quadripartite. *Styles* 4, 5, and 2. *Obs.* 5652. Between Birdholme and Wingerworth in Derbyshire.

*Native* of Europe from the south to Sweden.

*MOSCHATELLINA.* *Geoffr. suite* i. 83.

#### 409. DIOSPYROS.

*Calyx* quadrifid quinquefid and sexfid. *Corolla* urceolate, quadrifid quinquefid and sexfid. *Styles* 4, 3, 2, and 1. *Berry* with 8, 4, and 10 seeds. *From* L. Willich, *Juss. & Roxb.*

Male flowers on a distinct plant. *Stamina* in the hermaphrodite flowers often barren. *Filaments* frequently with 2 antherae.

1. *DIOSPYROS glutinifera.* Leaves glabrous. Flowers monoicous. *From* Koenig in *Roxb. and Roxb.*

(*Embryopteris peregrina.* *Gaertn.* i. 145. t. 29, has a calyx superior.)

*EMBRYOPTERIS glutinifera.* *Roxb.* i. 49. t. 70.

2. *DIOSPYROS virginiana.* Leaves and buds glabrous. Petioles pubescent. *From* L. a *Willd.* iv. 1107; sp. 1510. *Hort. kew.* iii. 446. *Willich obs. n.* 72, a male plant.—*Mill. Ph. dict. n.* 2.

*D. foliis utrinque concoloribus.* *L. cliff.* 149.



- D. foliorum* paginis concoloribus. *Gron. virg.* 169.  
*Guaiacana. Catesb.* ii. t. 76.  
*Guaiacana* toto arbori affinis, virginiana, *Pishamin* dicta. *Pluk. alm.* 180; *phyt.* t. 244. f. 5.  
*Palmae sanctae* similis arbor. *Lob. ult.* 455, cop. in *Dalech.* 1750, & repr. in  
*Indiae oeciduae palmae sanctae* similis arbor. *Lob. ic.* ii. 187.  
*Guaiacana virginiana, Pishamin* dicta. *Rott hist.* 1918.  
*Virginian Pishamin. Park. theatr.* 1523. In fruit.  
*Pishamin. Park. par.* 570. No fig.  
*(Lotus virginiana. Park. par. t. 569. t. 6, probably composed from figures of D. Lotus, as he says it had not flowered in this country.)*  
*DIOSPYROS virginiana. Bryant* 104. *Coxe* 371.  
*Marsh.* 40. *Schoepf* 154.

3. *DIOSPYROS lobata.* Leaves glabrous. Berries with 8 lobes. *From Lour.* i. 279.

4. *DIOSPYROS melanoxylo.* Leaves nearly glabrous, when young pubescent, coriaceous. Buds and young branches pubescent. *From*  
*DIOSPYROS Melanoxylo, L. a Willd.* iv. 1109, &—*Roxb.* i. 36. t. 46.

5. *DIOSPYROS Ebenum.* Leaves glabrous above; underneath sericeous near the costa, thin. Branches sericeous at the end. *From Retz. obs.* v. 31. n. 80, &

*HEBENASTER. Rumph.* iii. 13. t. 6.

6. *DIOSPYROS Lotus.* Leaves pubescent underneath. Buds hirsute within. *From L. a Willd.*

- iv. 1107; sp. 1510. *Hort. kew.* iii. 446. *Mill. Ph. dict. n. 1.* (*Lour.* i. 278, has glabrous leaves.)  
*D. foliorum paginis discoloribus.* *Mill. Ph. ic.* 84. t. 126. Leaves serrate.  
*D. foliis utrinque diverse coloratis.* *L. cliff.* 149.  
*Guaiacum.* *Cord. fol.* 191. p. 1, cop. with additions, in  
*Lotus africana altera, sive Loti africanae species.*  
*Cam. epit.* 157, &  
*Guaiacana.* *Bauh. J. i. a.* 238. Leaves hirsutulous above.—*Boerh.* ii. 220.  
*D. sive Faba graeca latifolia.* *Dalech.* 349.  
*Guaiacum patavinum latifolium et angustifolium.*  
*Raii hist.* 1574.  
*Guaiacum of Padua.* *Tourn. voy.* ii. 164. On the hills of Vatzia between the river Tetradi and Cerasonte in Anatolia.  
*Pseudo-Lotus.* *Cam. epit.* 156, cop. in  
*Guaiacum patavinum.* *Park. theatr.* 1522; par. 570. No fig.—*Lob. obs.* 605, repr. in *ic.* ii. 187, and  
*Guaiacum patavinum latifolium.* *Ger. by Johns.* 1495, & cop. in  
*Pishanum virginianum.* *Park. theatr.* 1523. (The name and descr. belong to *D. virginiana*.)  
**DIOSPYROS** *Lotus.* *Bryant* 193.  
*angustifolia.* Leaves narrower. From  
*Guaiacana angustiore folio.* *Boerh.* ii. 220.  
*D. sive Faba graeca angustifolia.* *Dalech.* 349.  
*Guaiacum patavinum angustifolium.* *Ger. by Johns.* 1495, cop. in  
*Guaiacum patavinum, angustioribus foliis.* *Park. theatr.* 1523.

7. *DIOSPYROS Kaki*. Leaves pubescent underneath. Branches tomentose. Peduncles with 2 and 1 flower, cernuous. From *L. fl. suppl.* 439, *Lour.* i. 278, *Thunb. jap.* 157; *trav.* iii. 61. 77; iv. 58. 90; &  
*KI* sive *Kaki*. *Kaempf.* 85. t. 86.

8. *DIOSPYROS chloroxyla*. Leaves tomentose underneath, hirsutulous on the upper side. Branches subspinose. From  
*DIOSPYROS Chloroxylon*. *Roxb.* i. 38. t. 49.

## 410. PARIS.

*Calyx* tetrapylous. *Petals* 4, narrower than the phylla. *Berry* quadrilocular. *L.*

1. *PARIS quadrifolia*. *L. succ. n.* 346; *sp.* 526. *Bot. arrang.* 416. *Smith engl. t.* 7; *brit.* 431. *Fl. dan. t.* 139, *Gouan hort.* 200. near Montpelier.—*Asso n.* 349.  
*P. foliis quaternis*. *L. lapp. n.* 155.  
*Paris*. *Willich. ill.* 29. n. 35.  
*Aconitum Pardalianches*. *Fuchs.* 91. c. 30, cop. in *Herba Paris*. *Bauh. J.* iii. b. 613. *Raii hist.* 670; *syn.* 264. *Park. theatr.* 390. *Dod.* 441, repr. in *Ger. by Johns.* 405,  
*Solanum tetraphyllum*. *Lob. obs.* 137, & *ic.* i. 267.  
*Stem* terete, obsoletely striate. *Leaves* mostly 4, 5 and 6. *Calyx* yellowish green; phylla subulato-lanceolate. *Petals* ovate at the base, subulate above, somewhat shorter than the calyx. *Stamina* shorter than the petals. *Antherae* with a mucro at the end; mucro subulate, nearly as long as the anthera.

*Germen* blackish purple, quadrilocular. *Obs.* 6293.  
 Gathered by Mr. Williams in a wood near Norton  
 in Derbyshire, on gritstone. In Langwith woods  
 near Bolsover in Derbyshire, on limestone.

*Natige* of Europe from Spain to Lapland.

*PARIS* quadrifolia. *Coste and Willem. in med.*  
*comment.* v. 298. n. 4.

*Herba Paris.* *Chom.* 108. *Dale* 170. *Geoffr.* iii.  
 556. *Mill. Jos.* 229.

*Paris.* *Berg.* 311. *Krock.* n. 615. *Lin.* 122. *Murr.*  
 vi. 20. *Ploucq. bibl.* i. 428. *Vog.* 111.

*Solanum quadrifolium lacciferum.* *Chom.* 322.



*Class 9.*

## ENNEANDRIA.

*Order 1.*

## MONGYNIA.

412. *CASSYTHA.* *Calyx* triphyllous. *Petals* 3.

411. *LAURUS.* *Calyx* tetraphyllous and hexaphyllous. *Corolla* none. *Nectarium* composed of 3 glands. *Obs.* 8622.

*Order 2.*

## TRIGYNIA.

413. *RHEUM.* *Calyx* corollaceous, sexpartite. *Obs.* 3870.

*Order 3.*

## HEXAGYNIA.

414. *BUTOMUS.* *Calyx* none. *Petals* 6. *Capsules* 6, polyspermous. *L.*

MONOGYNIA.

411. LAURUS.

*Calyx* tetraphyllous and hexaphyllous. *Corolla* none. *Filaments* 9 and 12, the inner with 2 pedunculate glands. *Drupe* monospermous. *Obs.* 8622. 8623. 2324. 2325. *L.*—*Venten. tabl. t. 7. f. 1*, the flowers very inaccurate.

1. LAURUS *Myrrha*. Leaves trinervose, ovate, acuminate with a long mucro. Flowers glomerate, sessile, axillary. *Lour. i. 308.*

2. LAURUS *Malabathrum*. Leaves trinervose, ovate, acuminate; ribs confluent at the end. *Burm. N. ind. 92.*

*L. Cinnamomum*  $\beta$  *L. a Reich. ii. 225; a Willd. ii. 477.*

Katou-Karua. *Rheede v. 105. t. 53.* Floral leaves opposite.

Arbor canellifera malabarica, cortice ignobiliore, cujus folium Malabathrum officinarum. *Breyn. prodr. 45.*

*Sindoc. Rumph. ii. 69.*

Tamalapatra. *Garc. ap. Clus. exot. 178, repr. in Ger. by Johns. 1534, cop. in Dalech. 1777, repr. in*

Malabathrum. *Lob. obs. 165; and ic. i. 308, and cop. in*

Folium indum, sive Malabathrum. *Park. theatr. 1584, &*

*Malabathrum* et *Folium indum officinarum*. *Bauh. J. i. a.* 430. A branch found among the imported leaves. Leaves opposite, elliptic and lanceolate, trinervose and triplinervose. (The fruit probably *L. Cinamomum*.)

*MALABATHRUM*. *Alst.* ii. 3. 169. *Geoffr.* ii. 264. *Lew.* ii. 84. *Linn.* 123. *Murr.* iv. 443. *Spielm.* 278.

*Malabathrum*. *Schrod.* 619.

*Folium indum*. *Cartheus.* iii. 94. *Dale* 299. *Pom.* i. 142. (The fig. not the plant.)

*Feuille d'Inde*. *Chom.* 342.

*CASSIA lignea*. *Pharm. suec.*—*Berg.* 318.

3. *LAURUS cinnamifera*. Leaves trinervose and triplinervose; ribs evanescent at the end. Panicles terminal and lateral. *Obs.* 8106. Specimen gathered in Jamaica by Broughton probably in the botanic garden; & *specimens* in Sir Jos. Banks's herbarium gathered by Koenig in Ceylon; by the Moravian missionaries in the Nicobar isles; by Jacquin in Martinico; by Rohr cultivated in St. Christopher's; by Greg in Dominica; by Masson on Mount Melville in Grenada; and from Mr. East's garden at Liguanea in Jamaica.

*a. alternifolia*. Leaves mostly alternate. Panicles terminal and lateral. *From*

*Cinnamomum foliis latis ovatis frugiferum*. *Burm. J. zeyl.* 62. *t.* 27. Leaves ovate and oval, trinervose.

*L. Cinnamomum*. *L. sp.* 528. *Hort. kew.* ii. 38. *Burm. N. ind.* 91. *Woodv.* i. 80. *t.* 27. *Jasq. pict.* 59. *t.* 117; *amer.* 117; *Svo.* 147. Leaves trinervose and triplinervose. In woods at the foot of Mont Calbasse in Martinico.—*Blackw. t.* 351,

- from the herbarium of Sloane.—*Lour. i.* 305 *1st* On  
lofty mountains in Cochinchina.
- L. foliis ovato-oblongis trinerviis, basi nervos unien-*  
*tibus. L. zeyl. n.* 145.
- Cassia cinamomea. Herm. hort.* 130.
- Cassia cinamomea, sive Cinamomum. Herm. hort.*  
*t.* 655, the whole tree; *t.* 656 (misprinted 665) a  
branch in flower with opposite triplinervose leaves,  
and a branch in fruit.
- Cassia lignea. Hern.* 35. From Mindanai. No  
fructifications.
- Kurudu. Herm. zeyl.* 12.
- Kurundu. Herm. zeyl.* 37.
- Arbor canellifera zeylanica, cortice acerrimo seu prae-  
stantissimo, qui Cinamomum officinarum. *Breyn.*  
*prodr.* 44. In a garden.
- Cinamon of Ceylon. *White, Taylor in phil. trans.*  
*l.* 865. *t.* 36. *f.* 1. 11. 12 from a drawing of Eli-  
ret's from a specimen from Ceylon; *f.* 4. 5 from  
Courteen's herbarium; *f.* 6 from Plukenet's her-  
barium; *f.* 8. 9 from Boerhaave's herbarium; *cop.*  
*in phil. trans. abr. by Hutt.* xi. 313. *t.* 12.
- Cinamomum. *Garc. ap. Clus. exot.* 171, repr. in  
*Cassia. Lob. ic. ii.* 145, &
- Canellae bacillus. *Ger. by Johns.* 1532, and *cop. in*  
*Dalech.* 1803, &
- Cinamomi bacillum. *Park. theatr.* 1580, a portion  
of the stem.
- Xylocassia subnigra. Lob. ic. ii.* 146, repr. in
- Canellae cortex. *Ger. by Johns.* 1532, & *cop. in*
- Cortex cinamomi, vel *Cassia lignea officinarum.*  
*Park. theatr.* 1580.
- Cinamomum, sive Canella zeylanica. *Bauh. Cesp.*  
*pin.* 408.



*Canella*, seu *Cinnamomum* vulgare. *Bauh. J. i. c.*

446. The bark.

*Cannella. Pis. mant.* 165.

*Cinnamon-tree. Watson in phil. trans. abr. by Hutt.*  
x. 217.

*Leaves* of the specimens from Martinico and Jamaica more ovate, those of the rest more oblong.

*Specimens* abovementioned.—*Leaves* triplinervose, ovate and oval. *Flowers* paniculate. *Calyx* hexaphyllous, coriaceous, sericeous; phylla oval and elliptic. *Stamina* 9, somewhat shorter than the calyx. *Filaments*, the 6 outer simple, at the base of the phylla, the 3 inner with 2 nearly sessile glands one on each side inserted a little above the base; 3 rudiments of filaments with a gland at the end, nearly twice as short as the stamina. *Antherae* oblong, quadrilocular; cells opening on the inner side, closed by opercula; opercula oval, recurved upwards. *Pistil* nearly as long as the stamina. *Germen* ovate. *Style*  $1\frac{1}{2}$  as long as the germen. *Stigma* simple. *Obs.* 8106.

**CINNAMOMUM.** *Cinnamon.* The bark and its essential oil. *Pharm. lond.—Alst.* ii. 1. *Cartheus.* iii. 222. *Cull.* ii. 202. *Dale* 290. *Diosc.* i. c. 13. *Geoffr.* ii. 160. *Heberd.* 128. 302. *Hill* 663. *Lew.* i. 345. *Linn.* 123. *Mead mon.* i. 57. *Monro* iii. 68. *Murr.* iv. 417. *Ploucq. bibl.* i. 595. *Vog.* 291. *Wintringh. in Mead mon.* i. 227. 230. 264. *Wright in med. journ.* viii. 265.

*Cinamomum.* *Herm.* 191. *Mill. Jos.* 139. *Spielm.* 256.

*Cinnamomum verum.* *Berg.* 314.

*Cinnamomum sive Canella zeylanica.* *Chom.* 396.

*Cassia veterum.* *Rutty* 102.

- L. Cinnamomum.** The bark. *Pharm. edin.*—*Lew. disp. by Dunc.* 244. *Murr. J.* i. 193. *Pearson, R.* i. 93; ii. 182.
- Cinnamon.** *Blane* 490. *Chalm.* i. 95. 147. 153. 154; 202; ii. 41. 169. 204. *Fordyce, G.* *sev.* i. 202; iii. 253; iv. 131. *Krugelstein, account from in med.* *sev.* i. 497. *Monro, Don. sold.* ii. 44. *Moseley* 162. *Neum.* ii. 188.
- Cinnamomum ceylanicum.** *Pharm. succ.*
- Oil of Cinnamon.** *Durw.* ii. 182. 302. 441. 688. *Denn.* iii. 397.
- FLORES CASSIAE.** *Murr.* iv. 429.
- Cinnamon wax.** *Seba in phil. trans. abr. by Reid and Gray* vi. part ii. 224; and by *Hutt.* vii. 344.
- Oleum Malabathiri.** *Seba in phil. trans. abr. by Reid & Gray* ib.
- Oil of Cinnamon leaves.** *Seba in phil. trans. abr. by Hutt.* vii. 345.
- Camphora e radice L. Cinnamomi.** *Spielm.* 309.
- Oil out of the roots of Cinnamon trees.** *Vernatti in phil. trans. abr. by Hutt.* i. 307.
- Camphire Baros.** *Seba in phil. trans. abr. by Reid and Gray* ib. 225; & by *Hutt.* ib.
- Oil of Camphire.** *Seba in phil. trans. abr. by Reid & Gray* ib. & by *Hutt.* ib.
- 2 **oppositifolia.** Leaves mostly opposite. Panicles terminal. From
- Cinnamomum perpetuo florens,** folio tenuiore acuto. *Burm. J. zeyl.* 63. t. 28. Leaves ovato-elliptic. From Ceylon.
- Mael Coronde.** *Burm. J. zeyl.* 63.
- L. Cassia.** *L. sp.* 528. *Thunb. trav.* iv. 181. *Burm. N. ind.* 91.

*L. foliis lanceolatis trinerviis, nervis supra basin renatis.* *L. zeyl. n.* 146.

*L. Caryophyllus.* *Lour. i.* 307, but he describes the ribs as terminal.

*Carua.* *Rheede i.* 107, *t.* 57, leaves lanceolate; *cop. in*

*Cassia lignea.* *Blackw. t.* 319, with a portion of the bark.—*Herm. hort.* 130.

*Dawulkurundu.* *Herm. zeyl.* 26.

*Arbor canellifera indica, cortice acerrimo viscido seu mucilaginoso, qui Cassia lignea officinarum.* *Breyn. prodr.* 45.

*Cassia.* *White, Taylor in phil. trans. l. t.* 36. *f.* 3, leaves from Sumatra, ovate and oval, trinervose and triplinervose; *cop. in phil. trans. abr. by Hutt. xi.* 315, *t.* 12. *f.* 3. (*Lob. ic. ii.* 145, the leaf, *repr. in*

*Canellae folium.* *Ger. by Johns.* 1532, & *cop. in Dalech.* 1803,

*Cinnamomi folium.* *Park. theatr.* 1580, &

*Cinamomi folium Clusio.* *Bauh. J. i. a.* 455, is a veined leaf.)

*Arbor Canellae.* *Dalech.* 1805, *cop. in*

*Cinnamomi arbor Theveti.* *Bauh. J. i. a.* 446.

*Canella.* *Dalech. app.* 2.

*Cassia tree.* *Mill. C. in phil. trans. abr. by Hutt. xiv.* 318.

*CASSIA lignea.* *Cartheus. iii.* 236. *Cull. ii.* 202.

*Dale* 299. *Geoffr. ii.* 171. *Herm.* 196. *Hill* 667.

*Lew. i.* 305. *Linn.* 124. *Mill. Jos.* 121. *Monro*

*iii.* 51. *Murr. iv.* 441. *Ploucq. bibl. i.* 531. 595.

*Rutty* 102. *Vog.* 287. *Woodv. iv.* 164.

*Casia lignea.* *Neum. ii.* 189. *Spiclm.* 251.

*Canella malabarica.* *Alst. ii. 2. n. 2.*



**L. Cassia.** The bark and unexpanded flowers.

*Pharm. edin.*—*Lew. disp. by Dunc.* 244. *Murr.*

*J. i.* 194. *Pearson, R. i.* 94; *ii.* 184.

*Cinnamomum indicum.* *Pharm. succ.*—*Berg.* 316.

*Cinnamomum sive Canella malavarica et javanensis.*

*Chom.* 396.

**MALABATHRUM.** *Berg.* 316. *Monro iii.* 165.

*Rutty* 300. *Vog.* 132.

*Folium indum.* *Mill. Jos.* 202.

4. **LAURUS Culilaban.** Leaves triplinervose, opposite. *L. mant.* 237, from

*Cortex caryophylloides.* *Rumph. ii.* 65. *t.* 14.

**CULILAVAN.** *Berg.* 326.

*Culilawan.* *Linn.* 125. *Murr. iv.* 524. *Spielm.* 262.

*Vog.* 293.

*Culilavvan.* *Dale* 347.

*Cortex caryophylloides amboinensis.* *Cartheus. iii.*

245.

5. **LAURUS camphorifera.** Leaves triplinervose, ovate and elliptic. Panicles lateral. *Obs.* 8394.

Specimen gathered by Broughton from a plant cultivated in Jamaica and which was taken by Rodney from the French in its way from the isles of France and Bourbon to the West Indies.—

*Obs.* 8717. Specimen gathered by Dr. Wright in Mr. East's garden.—*Salisb. R. allert.* 343.

**L. Camphora.** *L. sp.* 528. *Hort. kew.* *ii.* 38.

*Woodv. iii.* 419. *t.* 155, from a specimen in Dr.

Smith's herbarium.—*Thunb. jap.* 172. *Lour. i.*

306. *Jacq. coll. iv.* 221. *t.* 3. *f.* 2.

*Arbor camphorifera japonica.* *Breyn. prodr.* 7;

*icon. t.* 16. *f.* 2.

VOL. 2.] E c



*Arbor camphorifera japonica*, foliis laurinis, fructu parvo globoso, calyce brevissimo. *Breyn. prodr.*

44. In Beverning's garden.—*Comm. hort.* i. 185. t. 95.

*Camphora*. *Durant. hortul.* 172, cop. in herbario 91. f. 1, the whole tree.

*Camphora japonica altera*. *Valentin.* 488. t. 7. f. 1, 2, two leaves, but more obtuse than any I have seen.—*Blackw. t.* 347.

*Arbor camphorae*. *Grimm. ap. eph. germ. dec.* ii. *am. t. t. at p.* 373. f. 32.

*Ssio*. *Kaempf.* 770. t. 771.

*Camphora officinarum*. *Bauh. Casp. pin.* 500.

*Calyx* hexaphyllous, glabrous without, villose within, coriaceous; phylla ovate. *Stamina* 9, the 6 inner with 2 glands just above the base of the filaments. *Antherae* oval, quadrilocular; cells opening on the inner side, operculate. *Pistil* nearly as long as the calyx. *Germen* oval. *Style* as long as the germen. *Obs.* 8625.

*Native of Japan.*

**CAMPHORA.** *Camphor*. *Pharm. lond.*—*Aaskow in act. haun.* i. 161. *Alst.* ii. 405. *Bang in act. haun.* i. 8. 93. 105. 106. 238. 242. 247. 251. 255. 263. 266—268. 272. 275. 277. 278. 284—286. 292. 299. 300; ii. 39. 40. 49. 50. 56. 65. 67. 68—71. *Berg.* 318. *Bruce in Lind bot clim.* 254. *Callisen in act. haun.* i. 72. 361—363. 416—420. *Cartheus.* iii. 274. *Chamberlaine in med. soc.* ii. 317. *Cull.* ii. 290. 431. *Dunc. cases* 166. *For- dyce, G. pract.* 156; *W. feb.* 168. *Fotherg. J. in med. obs.* i. 432. *Geoffr.* ii. 520. *Heberd.* 65. 90. 153. 302. 360. *Herm.* 617. *Hill* 726. *Hoffm.* vi. 60. 463. *Hoffman, J. in med. obs.* vi. 229. *Home, F. clin.* 262. *Hunter jam.* 128. *Lew.* i.

259. *Lettson in med. soc.* iii. 491. *Linn.* 124.  
*Marcard in med. comment.* iv. 206. *Mead mon.*  
i. 36. 100. *Mill. Jos.* 105. *Monro ii.* 326. *Murr.*  
iv. 445; *J.* i. 114. 348. *Neum.* ii. 58. *Oliver in*  
*med. journ.* vii. 120. *Percival in med. soc.* ii. 54.  
*Ploucq. bibl.* i. 13. 34. 129. 197. 220. 256. 251.  
233. 311. 314. 323. 332. 346. 348. 410. 463. 467.  
481. 493. 500. 505. 509. 514. 531. 639. *Pouteau,*  
*account from in med. journ.* iv. 357. *Quarin*  
*febr.* 36. 42. 69. 70. 75. 89. 92. 105. 106. 111.  
113. 121. 125. 134. 143. 146. 149. 172. 204. 207.  
239. 279. 285. 288. 292. 306. 315. 329. 330. 367.  
370. 375. 382. 421. 426. 430; *anim.* 7. 11. 13.  
45. 47. 166. 229. 231. 274. 276. 277. 295. 296.  
306. 310. *Ranoe in act. haem.* i. 453. 454. *River.*  
*obs.* 144. *cent.* ii. *obs.* 18. *Ratty* 84. *Stoll med. i.*  
45. 55. 80; ii. 12. 17. 123. 183. 275. 289. 290.  
293. 311. 416. 423; iii. 89. 90. 98. 109. 117. 180;  
*aph. n.* 82. 501. 547. 592. 700. 715. *Underw.*  
i. 264. 317; ii. 39. *Vog.* 311. *Wilson, J. in*  
*med. comment.* xii. 325. *Wintringh. in Mead*  
*mon.* i. 204. *Wright in med. journ.* viii. 266;  
& *ann. med.* ii. 351. 357.  
*Camphora cruda.* *Pharm. succ.*  
*Camphora genus tertium.* *Spieglm.* 309.  
*Camphor.* *Arnemann, account from in phys. journ.*  
i. 25; *and chir. rev.* vi. 193. *Baylies in med.*  
*pap.* 44. *Blane* 406 to 409. 414. 424. 455. 507.  
*Blizard, account from in med. rev.* i. 328. *Bree*  
251. 254. 372. *Bresfeld, account from in med.*  
*rev.* vii. 90. *Brown i.* 151. 150; ii. 15. 265.  
*Bryce, account from in ann. med.* i. 131. *Cap-*  
*pel, account from in med. rev.* iv. 44. *Chalm.* i.  
152; ii. 20. 40. 114. 156. 158. *Chisholm* 157.



159. *Clark, J. long voy.* i. 175. *Copland in med. comment. dec. II.* v. 380. *Cox, account from in chir. rev.* xi. 300. *Crawford, J. in med. comment. dec. II.* viii. 253. *Cull, clin.* 78. 232. 275. *Darw.* ii. 52. 61. 135. 136. 137. 147. 157. 223. 262. 347. 682. 688. 749. *Denm.* ii. 522. *Fahner, account from in med. rev.* iv. 182. *Fernandez, account from in chir. rev.* vii. 100. 199. *Ferriar* i. 174. 188. *Fordyce, G. pract.* 169. 224; *sev.* iii. 239. iv. 142. *Gesenius, &c. account from in phys. journ.* i. 510. *Grassenaure, account from in chir. rev.* xi. 450. *Hamilton, James, jun. in ann. med.* v. 337; *Rob. of Lynn, account from in med. rev.* vii. 472. *Harrup ib.* iv. 200. *Haslam insan.* 144. *Hoven, account from in med. rev.* ii. 363. *Hull phleg.* 280. 281. 283. *Jackson, H. account from in chir. rev.* xviii. 63. *Kirkland apopl.* 97. 180. *Latham, J. in med. commun.* ii. 138; and *account from in med. comment. dec. II.* vi. 213. *Lemery in acad. sci. abr. by Southw.* iii. 244. *Lempr.* ii. 178. 181. *Macleane* 169. 144. *Marcus, account from in phys. journ.* ix. 269. *Monro, Don. sold.* i. 259. *Mossman in phys. journ.* x. 17. *Murr. J.* ii. 28; ii. 36. *Oberne in phys. journ.* x. 39. *Percival* i. 383; ii. 195. 337. *Perfect, account from in med. rev.* vii. 42. *Reil, account from in med. comment. dec. II.* ix. 26. *Ring in phys. journ.* vi. 155. *Rush* iii. 302. *Underw.* i. 351; ii. 51. 105. *Valentine, account from in chir. rev.* xi. 240. *Willan lond.* 284.

*Camphire. Alexander in phil. trans. abr. by Hutt.* xii. 386. *Bisset ess.* 75. *Clegh.* 278. *Cull. pract.* n. 568. 580. 1474. 1572. *Home, F. clin.* 34. 55. 88. 182. *Kinneir in phil. trans. abr. by Reid and Gray* vi. part iii. 273; *by Hutt.* vii. 206;

and in *Mihles's ess.* ii. 169; and *republ. in med. mus.* iii. 422. *Jackson jam.* 226. 283. 385; *sev.* 258. *Lind hot clim.* 65. 95. 245; *seam.* 200. 203. 249. 360. *Moseley* 489. *Pringle* 310. 316; *app.* p. cvii. cix. cx. *Robertson sev.* 373. *Seba in phil. trans. abr. by Reid and Gray* vi. part ii. 225; and *by Hutt.* vii. 345. *par. 4. Smyth jail dist.* 115.

Camphre. *Pancillier dans le journ. med.* lxxi. 392.

L. Camphora. Camphor. *Pharm. edin—Lew. disp. by Dunc.* 245. *Pearson, R.* i. 251; ii. 182. 215. 238. 258; *ed. ii.* 331.

Arbor camphorifera japonica. *Dale* 300.

6. LAURUS *calycina*. Leaves nervose. Calyx longer than the fruit. *From*

L. *sumatrensis*. L. a *Gmel.* ii. 650, &

Arbor camphorifera sumatrana, foliis caryophylli aromatici longius mucronatis, fructu majore oblongo, calyce amplissimo tulipae figuram quodammodo repraesentante. *Breyn. prodr.* 44.

L. foliis ovatis acuminatis lineatis, floribus magnis tulipaceis. *Houtt. in act. haarl.* xxi. 272. t. 8, an excellent representation of the specimen in Sir Jos. Banks's herbarium gathered by Mr. C. Miller in Sumatra.

Arbor camphorifera barosiensis. *Sylv. in Valentin.* 488. t. 7. f. 3. 4.

Arbor camphorae. *Grimm in eph. germ. dec.* ii. ann. i. t. at p. 373. f. 33.

Arbor camphorifera sumatrana. *Raii hist.* 1679.

Camphire tree. *Mill. C. in phil. trans. abr. by Hutt.* xiv. 318. In Sumatra.



Native of the north of Sumatra. *Marsd. sumatr.*  
*ed. ii.* 120.

**CAMPHORA** Baros. *Spicm.* 309.

Camphora de Borneo. *Lour.* i. 307.

Camphora borneensis, sive sumatram. *Geoffr.* ii.  
 524.

Camphora nativa. *Paisley in ann. med. lustr.* II.  
 i. 430.

Camphora Grimmi. *Chom.* 192.

Camphor. *Macdonald in asiat. research.* iv. 1.

Arbor camphorifera sumatrana Grimmi. *Dale* 300.

Arbor camphorifera altera. *Carth.* iii. 276.

Camphora sumatrensis. *Rhyn. ap. Breyn. prod.*  
 II. 13.

Oil of Camphor. *Monro* iv. 278.

7. **LAURUS** *Cubeba*. Leaves without ribs and veins,  
 lanceolate. Peduncles uniflorous, glomerate. *Frax.*  
*Lour.* i. 310.

8. **LAURUS** *nobilis*. Leaves veined, perennial, lance-  
 olate. Flowers dioicous. Calyx tetraphyllous.  
*Obs.* 8623. In a garden.—*L. sp.* 529. *Hott.*  
*kew.* ii. 39. *Woodv.* i. 94. t. 32, the male, and a  
 berry.—*Scop. carn. n.* 474. In woods in Istria.  
 —*Host* 219. In Tyrol, Friuli, and Littoral.

*L. undulatus*. *Mill. Ph. dict. n.* 2.

*Laurus*. *Raii hist.* 1688. In woods and hedgts in  
 Italy.—*Trag.* 1063. Leaves oblong.—*Cam. epit.*

60. *Bauh. J. i. a.* 409. *Dalech.* 351. *Dod.* 837,  
*repr. in Ger. by Johns.* 1407, & *cop. in.*

*L. minor*. *Park. theatn.* 1488. f. 1.

*L. vulgaris*. *Park. parad. t.* 597. f. 5. *Boerh.* ii.  
 216. *Magn. monsp.* 152; *hort.* 114.

*Branches* green. *Panicles* axillary, twice as long as the petioles. *Calyx* of the male flowers tetraphyllous; phylla oval, concave, quinquenervose, thin, 2 tenths of an inch long. *Stamina* 12. *Filaments* of the 4 outer stamina simple, or in 1 or 2 with 1 gland, the inner with 2 glands; glands on pedicles a little below the middle of the filament. *Antherae* oblong, bilocular; cells opening on one side, operculate; opercula oval. *Obs.* 8622. Specimen gathered in Fothergill's garden.—*Calyx* of the female flowers tetraphyllous; phylla oval, whitish,  $1\frac{1}{4}$  tenth of an inch long. *Rudiments of stamina* 4, as long as the calyx, alternating with the phylla, whitish, lineari-oblong, with a yellowish oval gland on each margin a little above the middle. *Pistil* as long as the calyx. *Germen* oval, green. *Style* short. *Stigmata* 2. *Obs.* 8623.

**LAURUS.** Bay tree. Leaves, berries, and the expressed oil of the berries. *Pharm. lond.*—*Alst.* ii. 262. *Berg.* 323. *Carthaus.* iii. 479. *Dale* 329. *Geoffr.* iii. 695. *Herm.* 286, 498. *Hill* 485. *Lew.* ii. 49. *Linn.* 125. *Mill. Jos.* 261. *Monrô* iii. 154. *Murr.* iv. 528. *Petrie in med. trans.* iii. 165. *Rutty* 278. *Spielm.* 275. *Vog.* 65, 235.

*L. nobilis.* *Pharm. edin.*—*Lew. disp. by Dunc.* 247. *Pearson, R.* ii. 185.

*L. vulgaris.* *Chom.* 393; *suppl.* 121.

*Bay.* *Cull. clin.* 241. *Lind hot clim.* 314.

*Oleum laurinum.* *Neum.* ii. 67. *Quarin anim.* 158.

*E. ellipticifolia.* Leaves elliptic. *Obs.* 7944. Specimen gathered by M. Broussonett probably at Montpellier.

*L. nobilis.* *Mill. Ph. dict. n. 1.* From berries received from Asia, Spain, and Italy.

*L. latifolia*. *Boerh.* ii. 215.

*L. latifolia major*. *Park. theatr.* 1488. *f.* 2.

*LAURUS latifolia*. *Dale* 330.

*L. latifolia platytera* Dioscoridis. *Chom.* 393; *suppl.* 121.

9. *LAURUS Persea*. Leaves veined, perennial, coriaceous, subovate. Flowers corymbose. *Obs.* 8632. Specimen gathered by Dr. Wright in Jamaica.—*L. a Murr.* 383; *sp.* 529; *munt.* 377. *Hort. kew.* ii. 39. *Swartz. obs.* 152. *Jacq. amer.* 8vo, 149; *obs.* i. 37.

*L. foliis oblongo-ovatis*, fructu obverse ovato, pericarpio butyraceo. *Browne* 214.

Prunifera arbor, fructu maximo pyriformi viridi, pericarpio esculento butyraceo nucleum unicum maximum nullo ossiculo tectum cingente. *Sloane cat.* 185; *hort.* ii. 132. *t.* 222. *f.* 2. Leaves elliptic and oval.

Arbor americana, amplissimis pergamenis foliis superficie nitidissima, fructu pyriformi crustaceo cortice coriato. *Pluk. alm.* 39; *phyt. t.* 267. *f.* 1. No fructifications. Leaves elliptic, distantly and obsoletely serrate.

*Persea*. *Plum. gen.* 44. *t.* 20. *Raii hist.* 1552. *Clus. hisp.* 16, *repr. in hist.* i. 2, & *Lob. obs.* 596, *cop. in Bauh. J.* i. a. 169, &

*Persea arbor*. *Park. theatr.* 1513, *repr. in Ger. by Johns.* 1606, and *cop.* with the addition of fruit, in

*Persea americana* Clusii, cum fructu. *Dalech.* 1828. Leaves lanceolato-elliptic.

Leaves ovate, entire at the margin. *Obs.* 8632.

Native of the warmer parts of America, and intro-

duced into Jamaica from the continent according to Browne.

*PERSEA*. Dale 310.

*L. Persea*. Bryant 252. Schoepf 60. Wright in med. journ. viii. 267.

*Avigato* Pear-tree. Hughes 130.

*Avocato* Pear. Graing. 32.

*Avocado* Pear. Wright in Graing. 33.

*Allegator* Pear. Hume, J. in lett. & ess. 214.

10. *LAURUS aestivalis*. Leaves veined, oblong, acuminate, annual, rugose underneath. Branches supraaxillary. *L. a Murr.* 384; *sp.* 529. *Hort. kew.* ii. 40.

*L. foliis venosis oblongis acuminatis annuis, ramis supraaxillaribus.* Gron. virg. 63.

*Cornus foliis salicis laureae acuminatis, floribus albis, fructu sassafras.* Catesb. ii. t. 28.

*LAURUS aestivalis.* Schoepf 61.

11. *LAURUS Benzoin*. Leaves veined, annual, oblongo-elliptic. *Obs.* 8626. Specimen gathered in Fothergill's garden.—*L. sp.* 530. *Hort. kew.* ii. 40.

*L. foliis enervibus obverse ovatis utrinque acutis integris annuis.* Gron. virg. 63.

*L. foliis enerviis ovatis utrinque acutis integris annuis.* Cull. 440.

*Arbor virginiana, citreae vel limonii folio, benzoinum fundens.* Comm. hort. i. 189. t. 97. No fructifications.

*Arbor virginiana, pishaminis folio, baccata, benzoinum redolens.* Pluk. alm. 42; phyt. t. 139. f. 3, 4.



*Calyx* hexaphyllous; phylla oblong, thin, costate, with globular olearia. *Stamina* 9. *Filaments*, 2 of the 3 outer simple, the 3rd with a pedunculate gland at the base, the 3 at the base of the 3 other phylla with 2 pedunculate glands at the base, the 3 inner with glands at the base. *Pistil* terete, attenuate. *Obs.* 8626.

*LAURUS* Benzoin. *Bart. trav.* 21.

Fever wood. *Baylies in med. pap.* 47.

19. *LAURUS diversifolia*.—Leaves entire and trilobate. *L.*

*L. variifolia.* *Salisb. R. alert.* 344.

*L. Sassafras.* *L. sp.* 530. *Woodv. i.* 91. *t.* 31, a male plant, from the Kew garden.—*Hort. kew.* ii. 40. *Marsh.* 74. *Walt. carol.* 134.

*L. foliis trilobis integrisque.* *Cutl.* 441.

*L. integris et trilobis.* *Gron. virg.* 62.

*L. foliis integris trilobisque.* *Trew. select. t.* 69, 70.

*Cornus mas odorata*, folio trifido margine plano, *Sassafras dicta.* *Pluk. alm.* 120. *t.* 222. *f.* 6. Leaves and a berry.—*Catesb. i. t.* 55.

*Sassafras arbor.* *Dalech.* 1786, *cop. in*

*Sassafras*, sive *Lignum pavanum.* *Bauh. J. i. a.* 485, with 2 pieces of the wood, &

*Sassafras.* *Ger. by Johns.* 1525, with a branch, which *cop. in Park. theatr.* 1607. *Rail hist.* 1568.

A male flower from a bud at the end of a branch.

*Calyx* hexaphyllous; phylla oblong, dotted, with 3 ribs. *Stamina* 9. *Filaments*, the innermost with a gland near the base. *Obs.* 2324. Specimen gathered by Broughton in Jamaica, probably in Mr. East's garden.—*Female flowers* corymbose. *Calyx* hexaphyllous; phylla oblong, with 3 ribs, dotted.

*Petals* 6, unguiculate, nearly one third shorter than the calyx; laminae oval; unguis linear. *Pistil* longer than the calyx. *Germen* oval. *Style* dotted, twice as long as the germen. *Stigma* thicker than the style, truncate. *Obs.* 2325. Specimen gathered by Dr. Cutler in New England.

**SASSAFRAS.** Sassafras. Wood, root, and bark. *Pharm. lond.*—*Alst.* ii. 50. *Baylies in med. pap.* 46. *Berg.* 325. *Cartheus.* iii. 178. *Chalm.* ii. 18. 115. 116. *Chom.* 293. *Cull.* ii. 200. *Dale* 298. *Geoffr.* ii. 244. *Herm.* 222. *Hill* 681. *Hufeland*, account from in *med. rev.* ii. 452. *Lew.* ii. 343. *Linn.* 126. *Mead mon.* ii. 156. *Mill. Jos.* 395. *Monro* iii. 251. *Murr.* iv. 534. *Neum.* ii. 214. *Pearson, J.* account from in *chir. rev.* vii. 161. *Ploucq. bibl.* i. 623. *Rutty* 465. *Schoepf* 61. *Spielm.* 295. *Swiet.* quoted in *Quarin febr.* 424. *Underw.* i. 306; ii. 167. *Vog.* 278. *Wright in med. journ.* viii. 267.

**L. Sassafras.** *Pharm. edin.*—*Bart.* 20. 47. *Lew. disp. by Dunc.* 247. *Lour.* i. 312? *Marsh.* 74. *Murr. J.* i. 323. *Pearson, R.* i. 255; ii. 185.

Sassafras tree. *Clayton in phil. trans. abr. by Hutt.* viii. 332.

## 412. CASSYTHA.

*Calyx* triphyllous. *Petals* 3. *Nectaria* 3, oblong, truncate. *Filaments*, the 3 inner with 2 glands near the base. *Drupe* with 1 seed. *From Jacq.* —*L.*

**i. CASSYTHA filiformis.** Filiform, limber. *L. sp.*

530. *Osb.* i. 395. *Jacq. amer.* 115. t. 79; 80, 145.

*Volutella aphylla.* *Forsk.* 84, who describes an hexaphyllous calyx, hexapetalous corolla and 3 nectaria.

*Cuscuta altera sive major.* *Pct. gaz.* 77. t. 49. f. 12.

*Cuscuta baccifera barbadensium.* *Pluk. alm.* 126. t. 172. f. 2.

*Acatsia-valli.* *Rhede* vii. 83. t. 44.

*CUSSUTA.* *Rumph.* v. 491. t. 184. f. 4.

## TRIGYNIA.

### 419. RHEUM.

*Calyx* sexpartite and septempartite, corollaceous, permanent. *Seed* 1, triquetrous. *Obs.* 3870. *L.*

I. *RHEUM verrucosum.*—Leaves very obtuse, with small warts; veins underneath with minute spines; petioles flat above; margins rounded. *Hort. kew.*

*R. Ribes.* *L. sp.* 532. *Hort. kew.* ii. 42.

*Lapathum orientale asperum*, folio subrotundo, fructu purpureo, *Ribes dictum.* *Pococke* ii. part ii. 189. n. 50. t. 84. In fruit. In Palestine.

*Lapathum orientale*; aspero et verrucoso folio, *Ribes arabibus dictum.* *Dill. hort.* 191. t. 158. f. 192. Radical leaves.

*RIBES arabum.* *Dalech. app.* 32, cop. in *Bauh. J.* ii. 99.



2. **RHEUM rotundatum.** Leaves obtuse, glabrous above, pubescent underneath, margin pubescent; petioles semiterete, with a furrow along the upper side; margins rounded. *Obs.* 4806. In a garden.

**R. Rhaponticum.** *Hort. kew* ii. 41.—*L.*—*Mill. Ph. dict. n.* 1.

**R. compactum.** *Mill. Ph. dict. n.* 3.

**R. foliis cordatis glabris marginibus sinuatis, spicis divisio nutantibus.** *Mill. Ph. ic.* 145. *t.* 218.

**R. foliis glabris.** *L. ups.* 98.

**Rhabarbarum forte Dioscoridis et antiquorum.** *Tourn. inst.* 89.

**Rheubarbarum.** *Ogilby china app. from Kircher.* 88. *t.*

**Rhabarbarum rotundifolium verum.** *Munt. phyt.* 88. *t.* 197.

**Lapathum praestantissimum, Rhabarbarum officinarum dictum.** *Boerh.* ii. 84.

**Rhaponticum verum, seu potius Rhabarbarum verum.** *Park. par.* 484. *t.* 485. *f.* 3, repr. in

**Hippolapathum maximum, sive Rhaponticum thracicum, vel Rhabarbarum verum.** *Park. theatr.* 155.

**Rha verum antiquorum.** *Ger. by Johns.* 393.

**Rhabarbarum.** *Raii hist.* 170.

**Rha ponticum antiquorum.** *Lob. ic.* i. 289, repr. in

**Rha ponticum siccatum.** *Ger. by Johns.* 395, cop. in

**Rhabarbarum et ponticum genuinum officinarum.** *Park. theatr.* 156, outer and inner figures, & the longer portion cop. in

**Rhaponticum.** *Bauh. J.* ii. 989. with the addition of another piece. The dried roots.—*Alp. exot.* 188. *t.* 187.



*Leaves* cordate, rounded at the end, dull. *Petioles* glabrous, flat on the upper side towards the base, convex and furrowed underneath, within of a pleasant acidulous scent. *Obs.* 4806.

**RHAPONTICUM.** *Pharm. austriaco-prov.* 60.

—*Alst.* i. 506. *Berg.* 328. *Dale* 71. *Geoffr.* ii.

130. *Herm.* 121. *Lew.* ii. 269; *disp. by Rother.*

225. *Linn.* 127. *Mill. Jos.* 372. *Murr.* iv. 353.

*Rutty* 429. *Spielm.* 637.

*R. Rhaponticum.* *Bryant* 67.

*Rhaponticum thracicum.* *Cartheus.* ii. 392.

*Rhapontic.* *Chom.* 52.

3. **RHEUM undulatum.** *Leaves* undulate, pubescent.

*Petioles* flat above; margins acute. *Obs.* 4807.

Specimens from the Paris garden compared with

those in Sir Jos. Banks's herbarium.—*L. amoen.*

iii. 212. *t.* 4; *sp.* 531. *Houtt. nat. hist.* viii. 501.

*t.* 50. *f.* 1. *Mill. Ph. dict. n.* 2.

*R. Rhabarbarum.* *L. a Murr.* 385. *Lour.* i. 314.

*Leaves* lanceolate. In many parts of China.

*R. foliis subvillosis.* *L. ups.* 98; *mat. med.* 197.

*Rhabarbarum folio oblongo crispo undulato, flabellis sparsis.* *Geoffr.* ii. 125.

*Leaves* acute, cordate and lanceolato-cordate.

*Obs.* 4807. Specimens gathered in the Paris garden.

**RHABARBARUM.** *Lew.* ii. 265.

*Rhabarbarum sibiricum.* *Lew. disp. by Dunc.* 346.

*Murr.* iv. 356.

4. **RHEUM palmatum.** *Leaves* multifid, roughish.

*Petioles* terete, with an obsolete furrow along the upper side. *Obs.* 4809. In a garden.—*Hort.*

*kew.* ii. 41. *L. sp.* 531; *fil. fasc.* 7. *t.* 4. *Hope*

in *phil. trans.* lv. 292. t. 12. 13. f. 1 to 4; and  
abr. by *Hutt.* xli. 261. *Lour.* i. 314. In the  
north of China on both sides the wall.—*Mill. J.*  
*illustr. t. Houtt. hist. nat.* viii. 501. 503. t. 50.  
f. 2. *Murr. in nov. comm. gotting.* v. 50. t. 12.  
f. 4. *Woodv.* i. 127. t. 46.

*Rhabarbarum.* *Bauh. J.* ii. 989, the roots.—*Lob.*  
ic. i. 289, repr. in

*Rhabarbarum siccatum.* *Ger. by Johns.* 393, and  
the larger root cop. in

*Rhabarbarum et ponticum genuinum officinarum.*  
*Park. theatr.* 136. The dried roots.

*Leaves* dull, pubescent. *Petioles* pubescent, scent-  
less. *Stamina* 8, 9, & 7. *Obs.* 4809.

**RHABARBARUM.** Root. *Pharm. lond.*—*Alst.*  
i. 502. *Bang in act. haun.* i. 6. *Cartheus.* ii. 382.  
*Cull.* ii. 529. *Dale* 71. 418. *Fordyce, W. fragm.*  
i. 3. 20. 24. 39. 50. 67. 72. *Geoffr.* ii. 122. *He-*  
*berd.* 127. 216. 236. 376. 391. *Herm.* 115. *Hill*  
547. *Lew.* ii. 265. *Mead mon.* i. 42. 27. 129.  
131. 132. 141; ii. 45. 108. 128. 146. *Monro* iii.  
230. *Murr.* iv. 362. *Ploucq. bibl.* i. 353. 429.  
524. 566. *Quarin anim.* 48. 92. *Rutty* 428.  
*Spielm.* 636. *Wintringh. in Mead. mon.* i. 155.  
226. 248. 256. 264; ii. 198. 204. 213. 230.

*R. palmatum.* *Pharm. edin.*—*Lew. disp. by Dunc.*  
292. *Murr. J.* i. 266; ii. 32. *Pearson, R.* i.  
205. 295.

*Rhabarbarum verum.* *Berg.* 330. *Linn.* 127. *Mill.*  
*Jos.* 370. *Vog.* 206.

**Rheum.** *Aaskow in act. haun.* i. 161. 310. *Bang*  
*ib.* 5. 6. 12. 21. 100. 103. 104. 262. 276. 277.  
296. *Callisen ib.* 74. 416. 421. *Fordyce, G. pract.*  
150. 179. 183. 324. *Gulbrand in act. haun.* i.  
145. 309. *Heberd.* 394. *Neum.* ii. 120. *Ploucq.*



*bibl.* i. 464. *Quarin febr.* 17. 79. 112. 121. 150. 346. 382. 383; *anim.* 39. 40. 41. 96. 171. 199. 201. 208. 214. 216. 219. 221. 233. 235. 239. 241. 242. 246. 251. 267. 270. *Ranoe in act. haun.* i. 33. 35. 38. *Rogert ib.* 188. *Stoll med.* i. 126. 134. 136; iii. 264. 272. 287. 292. 297. 416.

*Rhubarb.* *Alibert and Dumeril, account from in phys. journ.* iii. 167; and *chir. rev.* vi. 484. *Baylies in med. pap.* 43. *Bisset ess.* 85. 182. *Blane* 425. 464. 477. 483. 496. *Boulduc in ac. sc. abr. by Southw.* iii. 220. *Bree* 278. 282. 288. 361. 365. *Chalm.* i. 92. 94. 132. 183. 211. 212. 215; ii. 13. 42. 47. 134. 165. 169. 182. *Chiarenti, account from in phys. journ.* ii. 467; & *chir. rev.* iv. 566. *Chir. rev.* xii. part ii. 97. *Clark, J. long voy.* 262. 327. 395. 396. 440. *Cull. clin.* 309. 261. 312. 344. 347. 381. 529. 711. 722. 749; *pract. n.* 559. 924. 1080. 1735. *Darw.* ii. 30. 31. 33. 55. 70. 79. 100. 102. 129. 132. 138. 189. 207. 217. 223. 235. *Denm.* i. 260. 267; ii. 515. *Fordyce, G. fev.* ii. 55. 57; iii. 221. 222; vi. 28; *pract.* 323. 326. 365. *Fothergill, J. in med. obs.* vi. 111. *Graing.* 40. *Hammick in contrib.* 380. *Hillary* 95. 209. *Home, Everard in trans. improv.* i. 335. 340; and *account from in ann. med.* iii. 52. 53; *F. clin.* 134. *Hufeland, account from in med. rev.* ii. 447. *Hunter jam.* 127. 128. 142. 210. 226. 235. 251. 253. *Jackson fev.* 273. 326. 330. 331. *Lempr.* ii. 159. 214. 220. *Lind hot clim.* 92. 261; *seam.* 253. *Monro, Don. sold.* i. 242. 341; ii. 105. 112. 114. 125. 134. *Paterson in Percival* i. 364. *Pringle* 131. 205. 207. 211. 214. 262. 266. 269. 271. *Quier in lett. and ess.* 137. 139. *Reid, T. phthis.* 178. 191.

213. *Robertson jail fep.* 373. *Rosenst.* 197. *Rush*  
i. 135; iii. 245; v. 171. 199. 205. *Saunders liver*  
162. *Underw.* i. 22. 27. 54. 57. 72. 77. 88. 102.  
116. 128. 132. 148. 198\*. 215. 223. 264. 344; ii.  
33; iii. 154. *Ware ophth.* 149. *Werner in med.*  
*journ.* xi. 221. *Whytt in Pringle* 275. *Wright in*  
*ann. med.* ii. 369.  
*Rhubarbe.* *Chom.* 49; *suppl.* 21.

## HEXAGYNIA.

### 414. BUTOMUS.

*Calyx* none. *Petals* 6. *Capsules* 6, with many  
seeds. *L.*

1. BUTOMUS *umbellatus.* *L. suec. n.* 350; *sp.* 532.  
*Bot. arrang.* 420. *Curt. lond.* i. 29. *t. Walc. t.*  
*Smith brit.* 436; *engl. t.* 651. *Fl. dan. t.* 604.  
*Pollich n.* 391. *Scop. carn. n.* 475. *Roth germ.*  
ii. 460. *Gouan hort.* 202. Near Montpelier.—  
*Host* 219.  
*B. flore roseo.* *Boerh.* i. 299. In Holland.  
*Butomus.* *Tourn. paris.* 181. *Vaill. paris.* 24.  
*Dill. ap. Raii syn.* 273. *L. lapp. n.* 159.  
*Gladiolus aquatilis.* *Dod.* 590, *repr. in*  
*Juncus cyperoides floridus paludosus.* *Lob. obs.* 44;  
*ic.* i. 86;  
*Gladiolus palustris Cordi.* *Ger. by Johns.* 29\*\*,  
& *cop. in*  
*Water Gladiole.* *Pet. herb. t.* 43. *f* 3, &  
VOL. 2.] F f



434      ENNEANDRIA.    414. Butomus.

*Juncus floridus*. *Park. theatr.* 1197. *Cam. epit.* 781.

*Bauh. J.* ii. 524. In Italy.—*Rail hist.* 701; *syn. ed.* ii. 155.

*Leaves* triquetrous, flat at the end. *Scapus* terete. *Petals* incumbent. *Stamina* in a single row. *Obs.* 5874. In ditches near Stafford.

*Native* of Europe, from Italy to Lapland.

*BUTOMUS.* *Dale* 178.

Class 10.

## DECANDRIA.

Order 1.

### MONOGYNIA.

1. *Flowers monopetalous.*

453. *ANDROMEDA.* *Corolla ovate. Capsule quinquelocular. Calyx quinquepartite and pentaphyllous. Obs. 6980.*
455. *KALMIA.* *Corolla campanulate, with 10 prominencies on the outside. Capsule quinquelocular.*
457. *RHODODENDRUM.* *Corolla infundibuliform. Capsule quinquelocular. Stamina declinate. L.*
459. *GAULTHERIA.* *Corolla ovate. Capsule quinquelocular, and quadrilocular, surrounded by a berrylike calyx.*
460. *ARBUTUS.* *Corolla ovate. Berry quinquelocular. Obs. 6167.*
461. *INOCARPUS.* *Corolla infundibuliform. Ca-*

*lyx* bifid. *Drupa* monospermous.

463. STYRAX. *Corolla* infundibuliform. *Drupa* dispermous. *L.*

2. *Flowers* pentapetalous, inferior, regular.

431. CASSUVIUM. *Nut* reniform, at the end of a fleshy receptacle.

453. CERATOPETALUM. *Capsule* bilocular. *Petals* pinnatifid. *Stamina* inserted into the calyx. *From L. & Willd.*

461. CLETHRA. *Capsule* trilocular; cells polyspermous. *Stigma* trifid. *From L.*

436. TRICHILIA. *Capsule* trilocular; cells monospermous. *Petals* 5. *Nectarium* tubular. *From L.*

462. PYROLA. *Capsule* quinquelocular, polyspermous. *Antherae* with 2 horns.

456. LEDUM. *Capsule* quinquelocular, polyspermous, opening at the base. *Obs.* 6627.

444. GUAIACUM. *Capsule*, bi-tri- and quinquelocular, monospermous. *Calyx* pentaphyllous.

438. SUIETENIA. *Capsule* quinquelocular, woody. *Corolla* double; the inner tubular, quinque-dentate. *Seeds* winged. *Obs.* 5583.

442. RUTA. Capsule quinquelocular, quinquelobate; cells polyspermous. Receptacle with 10 dots. Obs. 8223.
446. ZYGOPHYLLUM. Capsule quinquelocular & cells polyspermous. Nectaria 10. From L.
447. GERANIUM. Capsules pentacoccus; caudate. Nectaria 5, fleshy, at the base of the filaments. Obs. 3815.
445. QUASSIA. Capsules 2 to 5, bivalve, monospermous, inserted into a fleshy receptacle. L.
448. TRIBULUS. Capsules 5, connected, polyspermous. Style none. L.
449. HELICTERES. Capsules 5, unilocular, polyspermous. Germen stipitate.
433. BERGERA. Berry dispermous. Stigma turbinate. L. a Willd.
437. SANDORICUM. Berry pentaspermous. Petals 5. Nectarium cylindric. Antherae inserted into the mouth of the nectarium.
434. LIMONIA. Berry quadrilocular and trilocular. Petals 3 to 5. Stamina 5, 8, & 10.
440. AULACIA. Berry quinquelocular, dispermous. Petals 5, sulcate. From Lour.



454. MELASTOMA. *Berry* bi- tri- quadri- and quinquelocular. *Petals* 4 and 5, inserted into the calyx.
455. FERONIA. *Berry* multilocular. *Petals* many times longer than the calyx. *From Correa.*
452. QUISQUALIS. *Drupe.* *Calyx* tubular. *Petals* inserted into the calyx.
441. MELIA. *Drupe.* *Nut* quinquelocular. *Stamina* monadelphous. *Obs.* 5678.
439. COOKIA. *Pomum* quinquelocular; cells monospermous. *Petals* 5. *From L. a Willd.*
439. CYNOMETRA. *Legumen* monospermous. *Calyx* tetraphyllous.
427. HAEMATOKYLUM. *Legumen* dispermous and trispermous, opening at the sides. *Calyx* quinquefid; limb deciduous. *Obs.* 5685, & *from Juss.* & *L. a Schreb.*
424. PROSOPIS. *Legumen* polyspermous. *Calyx* semiquinquefid. *Petals* 5 and 4. *Stamina* 10 and many. *Obs.* 5684.
425. CADIA. *Legumen* polyspermous. *Calyx* quinquefid. *Petals* obcordate. *From E. a Willd.*
426. ADENANTHERA. *Legumen* polyspermous. *An-*

*therae* with a gland at the end.

3. *Flowers pentapetalous, irregular.*

451. GOMPHIA. *Drupe* 2 and 5, fixed to a fleshy receptacle. *Petals* not quite equal. *From L. a Willd.*
423. MORINGA. *Capsule* unilocular, trivalve. *Petals* nearly equal, inserted into the calyx.
443. DICTAMNUS. *Capsules* 5, connected, dispermous. *Seeds* arillate. *Petals* patulous. *Filaments* powdered. *Obs.* 5.
419. HYMENAEA. *Legumen* woody, with a farinaceous pulp. *Petals* nearly equal, inserted into the calyx.
422. GUILANDINA. *Legumen* rhombic. *Petals* nearly equal, inserted into the calyx. *Seeds* bony. *L.*
420. CAESALPINIA. *Legumen* compressed. *Petals* nearly equal, inserted into the calyx. *Calyx* with unequal segments.
423. MYROXYLUM. *Legumen* monospermous. *Petals* unequal, the uppermost larger than the rest.
430. ALOEXYLUM. *Legumen* monospermous,

woody. *Calyx* tetraphyllous; lower phyllum twice as long as the rest. *From Lour.*

432. *TOLUIFERA.*

*Petals*, the lowermost much larger than the rest, obcordate. *Style* none.

416. *ANAGYRIS.*

*Legumen* polyspermous. *Corolla* papilionaceous; vexillum shorter than the alae; alae shorter than the carina.

417. *CERCIS.*

*Legumen* polyspermous. *Corolla* papilionaceous, inserted into the calyx; alae resembling the vexillum. *Nectarium* a gland under the germen, resembling the style.

418. *BAUHINIA.*

*Legumen* polyspermous. *Corolla* papilionaceous, inserted into the calyx; petals unguiculate, patent, ascending, lanceolate.

415. *SOPHORA.*

*Lomentum* moniliform. *Corolla* papilionaceous; vexillum ascending. *L. a Willd.*

421. *CASSIA.*

*Lomentum* even. *Petals* unequal. *Antherae* rostrate.

4. *Flowers incomplete, inferior.*467. *GOPAIFERA.*

*Legumen* monospermous.

*Petals 4. Calyx none. L. a Willd.*

## 465. CASEARIA.

*Capsule* berrylike, unilocular, trivalve. *Calyx* pentaphyllous. *From L. a Willd.*

## 466. AQUILARIA.

*Capsule* bilocular, bivalve. *Calyx* quinquefid. *Nectarium* quinquefid; lobes bifid. *From L. a Willd.*

5. *Flowers incomplete, superior.*

## 450. NYSSA.

*Drupe. Calyx* quinquepartite. *Filaments* shorter than the calyx.

## 468. TERMINALIA.

*Drupe. Calyx* quinquepartite. *Nectaria* 5. *Filaments* longer than the calyx.

## Order 2.

## DIGYNIA.

1. *Flowers pentapetalous.*

## 469. SAXIFRAGA.

*Capsule* unilocular, birostrate.

## 471. SAPONARIA.

*Capsule* unilocular, oblong. *Petals* unguiculate; un-



472. DIANTHUS. *gules bidentate at the end. Obs. 5120.*  
*Capsule* unilocular, oblong.  
*Petals* unguiculate; un-  
 gues without appendages  
 at the end. *Obs. 4545.*  
 473. VISCAGO. *Capsule* trilocular. *Petals*  
 entire; ungues without ap-  
 pendages at the end. *Obs.*  
 4632.

2. *Flowers incomplete.*

470. SCLERANTHUS. *Seed 1. Obs. 1441.*

## Order 3.

## T R I G Y N I A.

476. ALSINE. *Capsule* unilocular. *Petals*  
 divided. *Obs. 3700.*  
 477. DEUTZIA. *Capsule* trilocular, triros-  
 trate. *Petals* entire. *L.*  
*a Willd.*  
 474. CUCUBALUS. *Capsule* trilocular. *Petals*  
 divided; ungues without  
 appendages at the end.  
*Obs. 6372.*  
 475. SILENE. *Capsule* trilocular. *Petals*  
 divided; ungues with ap-  
 pendages at the end. *Obs.*  
 5961.

479. *ERYTHROXYLUM*. *Drupe* monospermous. *Petal*s with a scale at the base. *L*.
478. *MALPIGHIA*. *Berry* trispermous. *Petal*s entire, unguiculate. *Calyx* pentaphyllous, with glands at the base on the outside. *Obs.* 5576.

## Order 4.

## PENTAGYNIA.

1. *Corolla* monopetalous.

483. *COTYLEDON*. *Capsules* 5. *Nectaris* 5. *Obs.* 2507.

2. *Corolla* pentapetalous.

485. *SURIANA*. *Seeds* 5. *Styles* lateral.
487. *AGROSTEMA*. *Capsule* unilocular. *Calyx* monophyllous.
488. *SPERGULA*. *Capsule* unilocular, polyspermous. *Petal*s entire. *Calyx* pentaphyllous. *L*.
489. *CERASTIUM*. *Capsule* unilocular. *Petal*s divided. *Calyx* pentaphyllous. *L*.
486. *LYCENIS*. *Capsule* unilocular, trilocular, quinquelocular. *Petal*s entire and divided.

*Calyx* monophyllous. *Obs.* 4715.

486. **OXALIS.** *Capsule* quinquelocular. *Petal*s slightly coherent at the base. *Calyx* pentaphyllous. *Obs.* 5052.

484. **SEDUM.** *Capsules & Nectar*ia mostly 5. *Obs.* 1953.

481. **LANZANA.** *Drupe.* *Nut* unilocular.

482. **SPONDIAS.** *Drupe.* *Nut* quinquelocular. *Calyx* monophyllous. *L.*

480. **AVERRHOA.** *Pomum* quinquelocular. *Calyx* pentaphyllous. *L.*

### 3. *Flowers incomplete.*

491. **BICHEA.** *Capsule* unilocular, polyspermous. *Corolla* quinquepartite. *Nectar*ium decedentate. *Style* none. *Anther*ae coherent to the teeth of the nectarium. *From Brought.*

492. **HEBETRA.** *Capsules* 5 and 4, monospermous. *Calyx* quinquefid. *Corolla* none. *From H. K. & Buchanan.*

Order 5.

DECAGYNIA.

493. PHYTOLACCA. Corolla none. Calyx pentaphyllous, corolline. Berry decacocous. L.

MONOGYNIA.

415. SOPHORA.

*Calyx* quinqueidentate, gibbous above. *Corolla* papilionaceous; alae as long as the vexillum. *Lomentum*. From L. & L. a Willd.

1. *SOPHORA tinctoria*. Leaves ternate, nearly sessile; folioles obovate, glabrous. Stipulae minute. L. sp. 534; mant. 377; a Murr. 391. Hort. kew. ii. 534.

*S. foliis ternatis subsessilibus, foliolis subrotundis glabris. Gron. virg. 64.*

*Cytisus procumbens, americanus, flore luteo, ramosissimus, qui anil suppeditat. Pluk. alm. 129; phyt. t. 86. f. 2. Ehret t. 1. f. 3.*

*SOPHORA tinctoria. Schoepf 63.*

*Indigofera. Cull. 473.*



2. *SOPHORA heptaphylla*. Leaves pinnate; folioles 7, glabrous. *L. sp.* 533.

*Fruticulus sinensis, sennae sylvestris folio angustiore, nodosa siliqua rostro longiore donata. Pluk. a-malth. 18; phyt. t. 451. f. 10??*

*ANTICHOLERICA. Rumph. iv. 60. t. 22.*

3. *SOPHORA tomentosa*. Leaves pinnate; folioles numerous, roundish, tomentose. *L. sp.* 533. *Hort. kew.* ii. 44.

*COLUTEA zeylanica argentea tota. Herm. hort. 169. t. 171, the account repr. in Raii hist. 1720.*

#### 416. ANAGYRIS.

*Corolla papilionaceous; vexillum and alae shorter than the carina. Legumen. L.*

1. *ANAGYRIS foetida. L. sp.* 534. *Hort. kew.* ii. 46. *Raii hist.* 1722. In Sicily, and Italy.—*Gouan hort.* 203. Near Montpellier.—*Park. theatr.* 245, cop. from

*A. vera. Clus. hisp.* 188, which cop. in

*A. vera foetida. Bauh. J. i. b.* 364, & repr. in

*Anagyris. Clus. hist.* i. 93, *Ger. by Johns.* 1427, & *Dod.* 773. *Lob. adv.* 389. In Provence.

*Native of Spain, Sicily, Italy, and the south of France.*

*ANAGYRIS. Dale* 341. *Linn.* 128.

#### 417. CERCIS.

*Calyx quinquedentate, gibbous underneath. Corolla*

papilionaceous; vexillum short, covered by the alae. *Legumen. L.*

1. **CERCIS Siliquastrum.** Leaves cordato-orbicular, glabrous. *L. sp.* 534. *Hort. kew.* ii. 47. *Mill. Ph. dict. n.* 1; *ic.* 169. *t.* 253. *Gouan hort.* 203. Near Montpellier.

*Siliqua sylvestris rotundifolia. Tourn. hort.* 276.

*Siliquastrum. Boerh.* ii. 23.

*Judaica arbor. Bauh. J. i. b.* 433. (The fig. a different plant.)

*Arbor Judae. Dod.* 774, repr. in *Ger. by Johns.* 1428, and cop. in *Dalech.* 220, and *Park. theatr.* 1554; par. 437. *t.* 435. *f.* 3. *Clus. hisp.* 43, repr. in *hist.* i. 13. *Raii hist.* 1717. On hills near Rome, and on the Appenines.

*Acacia I Matthioli. Dalech.* 161. The prickles an error of the artist.

*Arbor Judae monspeliensium. Lob. adv.* 441, repr. in *ic.* ii. 195.

Native of Spain, Italy, and the south of France.

**CERCIS Siliquastrum.** *Bryant* 151.

*Siliquastrum. Geoffr. suite* iii. 43.

*Arbor Judae. Dale* 340.

2. **CERCIS canadensis.** Leaves cordate, acuminate. *L. a Willd.* ii. 508; *sp.* 535. *Hort. kew.* ii. 47. *Marsh.* 32. *Mill. Ph. dict. n.* 2. *Michaux* i. 265.

*C. foliis cordatis pubescentibus. L. ups.* 99. *Gron. virg.* 64; *ed.* i. 47.

*Siliquastrum canadense. Boerh.* ii. 23.

*Siliqua sylvestris rotundifolia canadensis. Tourn. hort.* 276.

Arbor Judae americana. *Raii hist.* 1718.

*CERCIS* canadensis. *Schoepf* 63.

#### 418. BAUHINIA.

*Calyx* pentaphyllous and quinquefid, deciduous,  
*Petals* patulous, oblong, mostly unguiculate, the  
uppermost more distant. *Legumen.* *Obs.* 8720.  
8721. *L.*

*Stamina* 3 to 10.

1. *BAUHINIA scandens.* Stem cirrhose. Leaves bilobate; segments acute. *From L. sp.* 535, and *Rheede.*—*Loefl* 295 has 10 stamina.

Naga-mu-valli. *Rheede* viii. 57. t. 30. 31. No fructifications. No cirrhi.

*FOLIUM LINGUAE,* *Rumph.* v. 1. t. 1. *Stamina* 3.

2. *BAUHINIA variegata.* Calyces monophyllous, bursting. Petals sessile, ovate. Lobes of the leaves ovate, obtuse. *Hort. kew.* ii. 48. *L. sp.* 535.

Chovanna Mandaru prima. *Raii hist.* 1751.

Assitra. *Zan. ist.* 40. t. 15, repr. in

Assitra, sive Arbor divi Thomae. *Zun. ist.* 32. t. 20.

Mandaru maderaspatense, foliis firmioribus bisulcis glabritie splendentibus. *Pluk. alm.* 240. t. 44. f. 6. No fructifications.

*CHOVANNA-MANDARU.* *Rheede* i. 57. t. 32. *Stamina* 5 and 6. Petals in the fig. elliptic.

3. *BAUHINIA purpurea.* *Stamina* 3. Lobes of the

leaves oval, obtuse. *Hort. kew.* ii, 49? *L. sp.* 536?

*Chovanna Mandaru secunda.* *Raii hist.* 1751, from  
**CHOVANNA-MANDARU.** *Rheede i.* 59. t.  
33. Stamina 3, 4, and 5. Petals lanceolate.

4. **BAUHINIA tomentosa.** Leaves cordate; lobes semi-  
orbicular, tomentose. *L. sp.* 536.

*B. foliis subrotundis, flore flavescens striato.* *Burm.*  
*J. zeyl.* 44. t. 18\*. Leaves whitish underneath,  
not cordate.

**CANSCHENA-POU.** *Rheede i.* 63. t. 35. Sta-  
mina 10. Leaves not cordate.—*Raii hist.* 1752.

5. **BAUHINIA acuminata.** Leaves ovate; lobes acu-  
minate, semiovate. *L. sp.* 536.

*B. inermis, foliis cordatis semibifidis, laciniis acu-  
minato-ovatis erecto-dehiscentibus.* *L. zeyl. n.*  
148.

**VELUTTA Mandaru.** *Raii hist.* 1751, from  
*Rheede i.* 61. t. 34. Stamina 10. Lobes of the  
leaves semiovate, acute.

#### 419. HYMENAEA.

*Calyx* quinquepartite. *Petals* 5, nearly equal.  
*Style* twisted. *Legumen* full of a farinaceous pulp.  
*L.*

1. **HYMENAEA animifera.** Folioles coriaceous, un-  
equal at the base. Flowers pedunculate. From  
*H. Courbaril.* *L. a Willd.* ii. 512; *sp.* 537. *Hort.*



*kw.* ii. 49. *Jacq. amer.* 870, 157. *Gaertn.* ii. 305. *t.* 145. *Mill. Ph. dict.*

Hymenaea. *L. ups.* 305. *Browne* 221.

*Ceratia diphyllus antegoana, ricini majoris fructu nigro siliqua grandi incluso. Phuk. alm.* 96; *phyt.* *t.* 82. *f.* 2. A branch from Compton's garden. A legumen.

*Animifera arbor brasiliana. Herm. prodr.* 312.

*Jetaiba. Pis. bras.* 60, *repr. in ind.* 122, with the addition of legumina, and in *Marcgr.* 101. *Folios* obtuse.

*Arbor siliquosa ex virginia, lobo fusco scabro. Raii hist.* 1760.

*Lobus ex wingandecaow. Clus. exot.* 61, *cop. in Bauh. J. i. b.* 437, icon *Clusii*; 436. A branch and legumen.

**HYMENAEA** Courbaril. *Bryant* 315. *Linn. amoen.* v. 67.

Locust tree. *Hughes* 192. *Long* 728.

**ANIME.** *Pharm. austriaco-prov.* 18. *suec.—Alst.* ii. 409. *Lew.* i. 88. *Linn.* 128. *Neum.* ii. 24. *Vog.* 310.

*Anime occidentalis. Geoffr.* ii. 513.

*Gummi Anime. Berg.* 342. *Herm.* 640. *Monro* ii. 359. *Murr.* ii. 432. *Rutty* 227. *Spielm.* 307.

*Gummi seu resina Animae. Schrod.* 710.

*Gummi Anime occidentale. Cartheus.* iii. 356. *Raii hist.* 1846.

*Gummi Animi. Dale* 338. *Mill. Jos.* 222.

*Anime americana et brasiliana. Chom.* 670.

*Resina pallide lutea, odorata, gummi Elemi dicto similis. Sloane cat.* 215.

*West Gum Anime. Park. theatr.* 1670.

420. CAESALPINIA.

*Calyx* quinquepartite; the lower segment larger, somewhat vaulted. *Petals* 5, unequal, inserted into the calyx. *Stamina* woolly at the base. *Legumen* compressed. From Swartz. obs. 165. L.

1. CAESALPINIA *minosioides*. Aculeate. *Stamina* shorter than the corolla. *Folioles* oblong, obtuse. *Legumina* lanuginose. From L. a Willd. ii. 533, cop. from Lamarck.

KAL-TODDA VADDI. Rheede vi. 15. t. 8.

2. CAESALPINIA *pulcherrima*. Mostly aculeate. *Stamina* more than twice as long as the corolla. *Calyces* glabrous. *Folioles* ovali-oblong, glabrous, with unequal halves. *Corymbi* simple. *Petals* unequally crenate. Obs. 5570. Specimen gathered by Broughton in Jamaica.—Swartz. obs. 166.

*Poinciana pulcherrima*. L. sp. 544; mant. 378; a Murr. 395. Hort. kew. ii. 54. Jacq. amer. 123; Sco. 155. Bot. mag. t. 995.

*Poinciana flore pulcherrimo*. Boerh. ii. 57.

*Flos pavonis*. Merian. sur. t. 45.

*Crista pavonis*. Rumph. iv. 53. t. 20.

*Frutex pavoninus*, *Crista pavonis*. Breyn. cent. 61. t. 22.

*Tsjetti-mandarum*. Rheede vi. 1. t. 1.

*Sena spuria arborea spinosa*, *foliis alatis famosis seu decompositis*, *flore ex luteo et rubro specioso*. Sloane cat. 149; hist. ii. 49.

*Frutex pavoninus*, sive *Crista pavonina sinensiuni*. Raii hist. 981.

*Calyx* monophyllous; segments breaking off at the base, unequal, one larger, the 2 opposite to the largest twice as short, the 2 lateral ones of an intermediate size. *Obs.* 5570.

*POINCIANA.* *Browne* 225.

*Poinciana pulcherrima.* *L. a Reich.* ii. 258, repr. in

*C. pulcherrima.* *L. a Willd.* ii. 531.

Spanish Carnation. *Graing.* 32.

3. *CAESALPINIA Sappan.* Aculeate. Stamina somewhat longer than the corolla. Calyces glabrous. Folioles oblongo-oval, with unequal halves. Upper petal smaller. From *Swartz. obs.* 167, *Rheede and Roxb.* i. 18. t. 16. *L.—Hort. kew.* ii. 55. *Lour.* i. 320.

*Tsiapangam.* *Rheede* vi. 3. t. 2.

*LIGNUM SAPPAN.* *Rumph.* iv. 56. t. 21.

4. *CAESALPINIA echinata.* Aculeate. Folioles elliptic, obtuse. Racemi simple. Legumina echinate. *L. a Willd.* ii. 532, from *Lamarck.*

*Arbor brasilia.* *Raii hist.* 1736. *Park. theatr.* 1644, cop. in

*Brasilium lignum.* *Bauh. J.* i. a. 490.

*Ibiripitanga.* *Maregr.* 101, repr. in

*Ibiripitanga, sive Lignum rubrum.* *Pis. ind.* 164.

*BRASILIA.* *Dale* 344.

*Lignum brasilianum rubrum.* *Berg.* 343. *Lin.* 131.

#### 421. CASSIA.

*Calyx* pentaphyllous. *Petals* 5. *Antherae*, 3 upper barren, 3 lower beaked. *Legumen.* *L.*



Divisible into 2 genera.

SENNA. Gaertn. ii. 312, &

CASSIA. Gaertn. ii. 313.

1. *Legumina without valves; cells filled with a pulp.*

*C. mollis.* n. 15?

1. **CASSIA *Fistula*.** Leaves quinquejugate; folioles elliptic and lanceolate, glabrous. Petioles without glands. *Obs.* 8199. Specimen gathered by Dr. Wright in Jamaica.—*L. sp.* 540. *Blackw. t.* 381. *Lour. i.* 323. *Gaertn. ii.* 313. *t.* 147. *Regn. t. abr. in Woodv. iii.* 449. *t.* 163. *Lamarck dans l'encycl.* 645. *Hort. kew. ii.* 51. *Rumph. ii.* 83. *t.* 21. *Stap.* 294, *cop. from*

*C. purgatrix.* *Bauh. J. i. b.* 416. *Lob. obs.* 541. *repr. in*

*C. nigra.* *Dod.* 787,

*Siliqua aut C. purgatrix arabum, carobiis similis.*  
*Lob. ic. ii.* 104, &

*C. Fistula.* *Ger. by Johns.* 1431, & *cop. in*

*C. solutiva vulgaris.* *Park. theatr.* 234.

*C. arborea,* foliis paucioribus ovatis atque pinnatis, siliqua maxima cylindracea. *Browne* 222.

*Conna.* *Rhesde i.* 97. *t.* 22.

*C. Fistula alexandrina.* *Bauh. Casp. pin.* 405.

*Comm. hort. i.* 215. *t.* 110. No fructifications.—

*Sloane cat.* 145. *Shaw trav.* 460.

*Seeds* orbicular, nitid, marked transversely on one side with a reddish brown line, terminating in the hilum. *Specimens* from the shops.

**CASSIA.** *Alst. ii.* 270. *Denm. i.* 261. *Fordyce,*

*G. pract.* 150; *sev. ii.* 54. 56; *iii.* 222. 231.



*Herm.* 351. *Murr.* ii. 395. *Ploucq. bibl.* i. 189.

*C. Fistula.* The fruit. *Pharm. edin.*—*Bryant* 308. *Dale* 338. *Freer in ann. med.* v. 374. *Murr. J.* i. 261. *Lew. disp. by Dunc.* 180. *Mill. Jos.* 120. *Pearson, R.* i. 188. *Quarin febr.* 14. *Spiclm.* 620. *Stoll med.* iii. 264; *aph. n.* 808. *Wright in med. journ.* viii. 236.

*C. fistularis.* *Pharm. lond.*—*Cull.* ii. 506. *Fordyce, G. pract.* 207. *Geoffr.* ii. 344. *Hill* 453. *Lew.* i. 302.

*Cassia fistularis.* *Neum.* ii. 222.

*Cassiae fistula.* *Berg.* 339. *Linn.* 129. *Vog.* 249.

*C. Fistula alexandrina, Cartheus.* ii. 185. *Chom.* 39.

## 2. Legumina valvular.

2. CASSIA *Tagera*, Leaves bijugate. Petioles with a gland. Stipulae ciliate, cordate, acuminate. From *L. sp.* 538; and *ed.* i. 376, where it is characterised foliolis bijugatis.—*Donn.* 95. *Rees cyclop.* vi. n. 7.

*TAGERA.* *Rherde* ii. 103. t. 52. The account repr. in *Raii hist.* 1743.

3. CASSIA *obtusifolia.* Leaves trijugate; folioles obovate, pubescent underneath. Legumina curvate. From *Swartz. obs.* 158? *L. sp.* 539?

*C. foetida, foliis sennae italicae.* *Dill. hort.* 71. t. 62, f. 72?

*Pagimirioba rotundiori folio.* *Pis. bras.* 86? No fig.

(*Senna minor herbacea plerumque hexaphylla, folio obtuso.* *Sloane cat.* 148; *hist.* ii. 47. t. 180. f. 5, in fruit, has folioles gradually smaller each way.)

*GALLINARIA* rotundifolia. *Rumph. v. 283. t. 97. f. 2.* Legumina straightish.

4. *CASSIA emarginata.* Leaves trijugate, pubescent; folioles oval, mostly emarginate, the outer larger. Petioles terete. *Obs. 8204.* Specimen gathered by Broughton in Jamaica.—*L. sp. 538. Swartz. obs. 157. Donn 95.*

*C. arborescens diffusa,* siliquis longis compressis. *Browne 223.*

*C. foliolis trium parium aequalibus ovatis emarginatis rotundatis.* *Royen 467.*

(*C. racemosa. Mill. Ph. dict. n. 19,* has lanceolate folioles.)

*CASSIA minor fruticosa hexaphylla, senae foliis.* *Sloane cat. 146; hist. ii. 44, t. 180. f. 1. 2. 3. 4.*

5. *CASSIA sericea.* Leaves mostly quadrijugate; folioles ovate, hirsute. A subulate gland among the folioles. Peduncles quadriflorous. Legumina tetragonous. *Swartz. ind. occid. ii. 724.*

*C. uniflora. Mill. Ph. dict. n. 5.*

*C. sensitiva. Jacq. coll. ii. 362; ic. iii. t. 459.*

*TAREROQUI. Marcgr. 10, repr. in*  
*Paiomirioba II. Pis. ind. 185. No fructifications.*  
*Matta pasto. Pis. bras. 86. No fig.*

6. *CASSIA occidentalis.* Leaves quinquejugate; folioles ovato-lanceolate, scabrous at the margin, the outer larger. A gland at the base of the petioles. *L. sp. 539. Hort. kew. ii. 51. Michaux i. 261.*

*C. herbacea major erecta ramosa, foliis ovato-acuminatis, siliquis angustioribus compressis, spicis laxioribus terminalibus assurgentibus.* *Browne 224.*

*Senna occidentalis*, odore opii virosissimo, foliis ebulli hirsutis. *Boerh.* ii. 57.

*Senna occidentalis*, odore opii viroso, orobi pannonic foliis mucronatis, glabra. *Sloane cat.* 148; *hist.* ii. 48. t. 176. f. 3. *Comm. hort.* i. 51. t. 26.

*Pagimirioba*. *Pis. bras.* 86, repr. in

*Paiomirioba* I. *Pis. ind.* 185, &

*Paiomirioba*. *Marcgr.* 9.

*Folioles* with numerous short acute hairs at the margin. *Obs.* 8202. Specimen gathered by Broughton in Jamaica.

*CASSIA occidentalis*. *Wright in med. journ.* viii. 236.

Stinking-weed, *Graing.* 27. 42. 56. 66.

7. *CASSIA arborescens*. Leaves mostly quinquejugate; folioles elliptic, glabrous. An oblong gland between the lower folioles. Stipulae subulate, falcate. Racemi axillary. *Vahl. symb.* iii. 56. *Donn* 95.

*WELLIA TAGERA*, *Rhede* vi. 17. t. 9. 10.

8. *CASSIA biflora*. Leaves sexjugate; folioles ovali-oblong, glabrous, cuspidate, the lower smaller. A subulate gland between the lowermost folioles. Peduncles with mostly 2 flowers. *Obs.* 3413. Specimen gathered by Broughton in Jamaica. *L. sp.* 540; *amoen.* v. 397. *Hort. kew.* ii. 51. *Bot. mag.* t. 810.

C. minor arborescens, siliquis planis articulatis. *Plum. ic.* t. 78. f. 1.

(C. fruticosa, foliis minoribus obverse ovatis sexjugatis, floribus geminatis vel bigeminatis, racemis alaribus. *Browne* 223 is a different species.)

*CASSIA biflora*. *Schoepf* 64,



9. CASSIA *Senna*. Leaves sexjugate; folioles oblong and subovato-oblong, gradually larger upwards. *Specimens* in Sir Jos. Banks's herbarium from Fothergill's garden; received by Ph. Miller from the Havannah, and gathered by J. Von Rhor in St. Croix, by H. Smeathman in the Carribbee islands, by Schotte at Senegal, and by Koenig near Tirutschinapalli on the coast of Coromandel in dry elevated situations.—*L. a Murr.* 393; *sp.* 539 β. 1681. *Lamarck dans l'encyclop.* 646. *Hort. kew.* ii. 51. *Burm. N. ind.* 96. t. 33. f. 2. *Forsk.* p. lxxvi. In Egypt.

*Senna italica.* *Mill. Ph. dict.* n. 2.

*Senna italica*, sive foliis obtusis. *Sloane cat.* 148.

In a garden in Jamaica.—*Boerh.* ii. 57. *Hist. ox.* i. s. 2. t. 24. f. 2, *cop. from*

*Sena italica.* *Tab. ic.* 518, which repr. in *Ger. J.* 1114. *Raii hist.* 1742. *Park. theatr.* 225, a leaf flower and legumen, *cop. from*

*Sena foliis obtusis.* *Ger. by Johns.* 1297, which repr. *from*

*Sena.* *Dod.* 357, which repr. in *ed.* ii. 361, *Lob. obs.* 530, and *ic.* ii. 88. *Fuchs.* 447. *ed. fol. cop.* in 436. c. 170, and *Cord. fol.* 88. p. 1, which repr. *from*

*Colutea Theophrasti*, vulgo *Sena.* *Trag.* 964.

*Senna.* *Matth.* 782, imit. in *Dalech.* 218.

*Sena sylvestris.* *Lob. adv.* 406. No fig. Cultivated in the state of Genoa, Tuscany, the Roman state, and Apulia.

*Sena florentina.* *Bauh. J.* i. b. 377. The separate leaf.

Native of Egypt, and India; and cultivated in Italy, the West Indies, and probably also in Senegal, and Spain.



*SENNA italica.* Boeckl. ap. Herm. 535. Coste & Willem. in med. comment. v. 298. Dale 336. Linn. 129. Murr. ii. 388. Vog. 84.

C. *Senna italica.* Wright in med. journ. viii. 236.

*Senna italica*, sive foliis obtusis. Chom. 41.

*Senna occidentalis.* Cartheus, ii. 441.

Sena from Italy. Neum. ii. 120.

Wild Senna. Graing. 65.

10. *CASSIA lanceolata.* Leaves quinquejugate to octojugate; folioles lanceolate, equal. Specimen in Sir Jos. Banks's herbarium from Forsk. 85. At Surdud and Mor in Arabia.—Lamarck dans l'encyclop. 646.

C. *Senna.* L. sp. pl. 539 a. Regn. t. who does not say whence he obtained his specimen; abr. in Woodc. iii. 446. t. 162.

*Senna officinalis.* Gaertn. ii. 312. t. 146.

*Sena alexandrina.* Cam. epil. 539, repr. in Durant. hortul. 929, and cop. in Park. theatr. 225. f. 1.

*Sena orientalis.* Bauh. J. i. b. 377, the branch and legumen.—Ger. by Johns. 1298. No fig.—Tab. ic. 517, repr. in Ger. J. 1114. 1, & cop. in

*Senna alexandrina*, sive foliis acutis. Hist. ox. i. s. 2. t. 24. f. 1, in which last the folioles being made more lanceolate give a good idea of the foliage.—Boerh. ii. 57. Raii hist. 1742.

*Sena sativa.* Loh. ado. 406. No fig.

Folioles elliptico-lanceolate, an inch long, green. Petioles short. Gland sessile, inserted above the base of the petiole. Peduncles terminal, long, pale yellow. Legumen immature, linear, villose, compressed, incurvate; Specimen in Sir Jos. Banks's herbarium, with the Linnaean specific character from L. cliff. in Ph. Miller's handwriting, consisting

of a portion of a branch with 2 broken leaves 2 flowers and a legumen, probably from the shops.—*Stem* and *branches* glabrous. *Leaves* very acute, entire at the margin, slightly pubescent. *Petioles* very short, pubescent. *Stipulae* fallen off. *Peduncles* from 4 to 6 inches long, terminal and axillary, naked below sometimes for more than the lower half. *Pedicles* of the fruit equal in length to half the breadth of the legumen. *Legumina* flat, when ripe rhomboid-oblong, just sensibly incurvate, marked with transverse elevated lines, the lower ripe while flowers at the top of the racemus. *Specimen* from Forskal in Sir Jos. Banks's herbarium.—*Leaves* almost glabrous, larger than in the preceding specimens, as all the other parts, septemjugate and octojugate. *Specimen* in Sir Jos. Banks's herbarium from Tranquebar from Soc. unit. fratr. 1778.

**SENNA.** *Leaves.* *Pharm. lond.*—*Aaskow in act. haun.* i. 310. *Bang ib.* 286. *Berg.* 337. *Bree* 282. 289. *Chalm.* i. 190. 209; ii. 46. 108. 148. *Clegh.* 202. 252. *Cull.* ii. 537; *clin.* 331; *pract.* n. 1447. *Darw.* ii. 43. 108. 130. 205. 224. 272. *Denm.* i. 261; ii. 515. *Fordyce, G. pract.* i. 167. 183. 217; iii. 222. 231. *Geoffr.* ii. 266. *Haslam insan.* 139. *Heberd.* 183. 225. *Herm.* 534. *Hill* 415. *Hull phleg.* 294. *Lew.* ii. 361. *Monro* iii. 259. *Pringle* 151. 201. *Spielm.* 646. *Sydenh.* 183. *Underw.* i. 25. 122. 148. 149. 150. 205\*. 210. 211; ii. 68.

*Sena. Alst.* ii. 225. *Blane* 419. 496. *Denm.* ii. 475. *Hillary barb.* 217. *Mead mon.* i. 34. 96. 136; ii. 57. *Rush v.* 171. *Rutty* 480. *Wintringh.* in *Mead mon.* i. 155. 204. 205; ii. 213. 230.

*Senna alexandrina.* *Dale* 336. *Linn.* 129. *Murr.* ii. 388. *Vog.* 84.

- Sena alexandrina.* *Mill. Jos.* 409. *Neum.* ii. 120.  
*C. Senna.* *Pharm. edin.—Lew. disp. by Dunc.*  
 181. *Murr. J.* i. 265. *Pearson, R.* i. 189.  
*Senna orientalis.* *Cartheus.* ii. 440.  
*Senna alexandrina, sive foliis acutis.* *Chom.* 41.

11. *CASSIA ligustrifolia.*—Leaves septemjugate; folioles lanceolate, the outermost smaller. A gland at the base of the petiole. *L.*

*C. ligustrina.* *L. sp.* 541. 1681, *repr. in mant.* 378. *Hort. kew.* ii. 52.

*C. ligustri folio.* *Dill. hort.* 350, *t.* 259. *f.* 338.

*C. bahamensis,* pinnis foliorum mucronatis angustis, calyce floris non reflexo. *Mart. t.* 21.

*CASSIA ligustrina.* *Schoepf* 63.

12. *CASSIA alata.* Leaves octojugate; folioles oval-oblong, the inner smaller. Petioles without glands. Stipulae patulous. *L. sp.* 541; *mant.* 378; *nat.* ii. 289; *a Murr.* 394, in which 2 last for exterioribus read interioribus.—*Swartz. obs.* 162. *Hort. kew.* ii. 52.

*C. herpetica.* *Jacq. obs.* ii. 24. *t.* 45. *f.* 2, the middle part of a leaf.

*C. siliquis quadrialatis, spicis terminalibus, foliis plurimis pinnatis majoribus obovatis.* *Browne* 224.

*Faba dulcis.* *Merian. sur. t.* 58.

*HERPETICA.* *Linn.* 130. *Rumph.* vii. 36. *t.* 18.

*C. alata.* *Freer in ann. med.* v. 374. *Wright in med. journ.* viii. 237

Ringworm shrub. *Graing.* 64.

13. *CASSIA marilandica.* Leaves octojugate; folioles



ovato-oblong, equal. A gland at the base of the petiole. *L. sp.* 541. *Hort. kew.* ii. 53.

*C. foliolis octo parium ovato-oblongis aequalibus, glandula baseos petiolorum. L. ups.* 100.

*C. foliis octo saepius parium ovato-oblongis aequalibus, glandula supra basin petiolorum. Gron. virg.* 65.

*C. mimosae foliis, siliqua hirsuta. Dill. hort.* 351. *t.* 260. *f.* 339. Gland sessile.

*C. marilandica, pinnis foliorum oblongis, calyce floris reflexo. Mart. t.* 23.

*CASSIA marilandica. Bart.* 32. *Coxe* 369. *Schoepf* 63.

14. *CASSIA Sophera.* Leaves decemjugate; folioles ovato-lanceolate. An oblong gland above the base of the petiole. *From L. sp.* 542. *Forst. G. austral. n.* 184. *Donn* 95.

*Senna vigintifolia, siliquis teretibus. Burm. J. zeyl.* 213. *t.* 98. Legumina many times narrower than the folioles.

*Ponnam-Tagera. Rheede ii.* 101. *t.* 52, has legumina as broad as the folioles.

*GALLINARIA acutifolia. Rumph. v.* 283. *t.* 97. *f.* 1. Legumina many times narrower than the folioles.

*Cassunda. Freer in ann. med. v.* 371.

15. *CASSIA mollis.* Leaves duodecimjugate, without glands; folioles oblong, acute, pubescent, equal at the base. *Obs.* 8200. Specimen gathered by Dr. Wright in Jamaica.—*Vahl. symb.* iii. 57.

*C. foliis plurimis oblongis pinnatis, flore rubello, siliquis maximis crassioribus trinerviis. Browne* 223.



*C. Fistula*, flore incarnato, brasiliana. *Breyn. cent.* 58. *t.*

*C. nigra* seu fistulosa secunda. *Sloane cat.* 146; *hist.* ii. 44.

*C. siliqua* brasiliana purgatrix compressa. *Lob. in Rondelet.* 41, *cop. in*

*C. brasiliana.* *Park. theatr.* 234.

*C. Fistula* brasiliana. *Bauh. Cesp. pin.* 403.

(*Tapyracoa*na. *Pis. bras.* 80, has quinquejugate leaves.)

*Petioles* pubescent. *Folioles* pubescent underneath, microscopically pubescent above. *Obs.* 8200.

*CASSIA* brasiliana. *Geoffr.* ii. 353.

16. *CASSIA Chamaecrista*. Leaves multijugate. *Petioles* with a gland below the folioles. *Stipulae* semicordato-subulate. *Obs.* 3411. Specimen gathered by Broughton in Jamaica.—*L. sp.* 542. *Hort. kew.* ii. 53. (*Curt. mag. t.* 107, has decemjugate leaves, the gland on the petiole sessile, and the peduncles nearly as long as the leaves.)

*C. foliolis* multijugatis, glandula petioli pedicellata, stipulis ensiformibus. *Gron. virg.* 64.

*C. suffruticosa* erecta, foliis linearibus plurimis pinnatis, floribus singularibus vel geminatis sparsis. *Browne* 225.

*Chamaecrista pavonis* major. *Comm. hort.* i. 53. *t.* 37.

*CASSIA Chamaecrista.* *Schoepf* 63. *Wright in med. journ.* viii. 238.

Sensitive. *Graing.* 49.

## 422. GUILANDINA.

*Calyx* monophyllous, hypocrateriform. *Petals* inserted into the neck of the calyx, nearly equal.  
*Legumen. L.*

1. GUILANDINA *Bonduc.* Aculeate. Folioles ovate. Petioles of the pinnations with solitary aculei. *L. sp.* 545? *mant.* 378? *Hort. kew.* ii. 55? *Gaertn.* ii. 316. *t.* 148? A seed, yellowish with saffron zones.

*Guilandina inermis*, seminibus flavescentibus. *Browne* 228? may possibly be the plant without aculei, as *Breynius* assures us that *G. Bonducella* is sometimes without aculei. Seeds yellow.

*Acacia gloriosa*, *lentisci folio*, *spinosa*, flore spicato luteo, *siliqua magna muricata.* *Pluk. alm.* 4; *phyt. t.* 2. *f.* 2. A leaf and foliole. The legumen and seed probably from a museum.

*Lobus echinatus*, fructu flavo, foliis rotundioribus. *Herm. prodr.* 348? *Sloane cat.* 144? In shrub-beries about St. Jago de la Vega in Jamaica; *hist.* ii. 40? Seeds yellowish.

Fructus peregrinus, tanquam torno elaboratus, flavus. *Bauh. J. i. a.* 311? No fig.

Peregrini fructus varii alii. *Clus. exot.* 57. *f. VI?* (misprinted *IV*) *cop. in*

Varii fructus peregrini. *Dalech.* 1860. *f. VI?*

Fructus omnino rotundus luteus non splendens, cum suo frutice. *Bauh. J. i. a.* 311? a seed and young plant of the first year's growth.

*Pisum ochrae colore.* *Clus. exot.* 71? the inner seed, *repr. in*

Lobus echinatus. *Ger. by Johns.* 1554? the outer seed, & *cop. in*

Lobus EXINΩΔΗΣ cum piso duro cinerei coloris. *Bauh. J. i. b.* 439? the outer seed.

**FRUTEX GLOBULORUM.** *Rumph. v.* 89. *t.* 48. Seeds ashcoloured, with very fine circles.

Kaletchy chaddy. *Dubois in phys. journ.* xvii. 170. Seeds white.

**KALECHY.** *Anderson in phys. journ.* xvii. 172? Seeds of a clear brown.

- 2. GUILANDINA** *Bonducella.* Aculeate. Foliolae oval, cuspidate. Secondary petioles with 2 prickles at the base of each pair of folioles. *Obs.* 8346. Specimen gathered in Fothergill's garden. — *L. sp.* 545; *mant.* 378. *Hort. kew.* ii. 55. *Jones in asiat. res.* iv. 282. *Lour.* i. 325. *Forst. G. austral. n.* 185. *Gaertn.* ii. 315. *t.* 148. *a—c.*
- G. aculeata*, foliolis ovalibus cum acumine. *L. zeyl.* n. 156; *ups.* 101.
- G. α L. cliff.* 158. Had not flowered.
- G. spinosa*, foliis bipinnatis ovatis cum acumine, seminibus cinereis. *Browne* 228.
- Globuli majores. *Rumph. v.* 92. *t.* 49. *f.* 1. Seeds ashcoloured.
- Crista pavonis glycyrrhizae folio, minor repens spinosissima, flore luteo spicato minimo, siliqua latissima echinata, semine rotundo cinereo lineis circularibus cincto majore. *Breyn. prodr.* 58; *ic.* 33. *t.* 28.
- Inimboy brasilianorum, frutex spinosus spicatus, platylobis echinoidibus, glycyrrhizae foliis. *Breyn. prodr.* 25.
- Acacia, qui Lobus echinodes Clusii, Oculus cati laticanensis. *Burm. J. zeyl.* 4.



Caretti. *Rheede* ii. 35. t. 22. Seeds whitish ash-coloured.

Lobus echinatus, fructu caesio, foliis longioribus.

*Herm. prodr.* 348. *Sloane cat.* 144. About Blue-fields-bay in Jamaica; *hist.* ii. 41. Seeds grey.

Arbor exotica spinosa, foliis lentisci. *Raii hist.* 1743.

Inimboia. *Pis. bras.* 95, repr. in

Inimboy. *Marcgr.* 56. The descr. at 12.

Arbor spinosa indica, muricatis siliquis. *Park. theatr.* 1551. A plant of the first year's growth, in a garden at Stratford Bow.

Lobus *eximius*. *Clus. exot.* 70, the branch with legumina and the seed adjoining, repr. in

Lobus echinatus. *Ger. by Johns.* 1554, & cop. in

Lobus EXINΩΔΗΣ cum piso duro cinerei coloris. *Bauh. J. i. b.* 439.

Fructus peregrinus tanquam torno elaboratus argenteus. *Bauh. J. i. a.* 311. Seeds.

Bonduch. *Zan. ist.* 44. t. 17, repr. in

Bonduc vulgare majus polyphyllum. *Zan. a Mont.* 52. t. 35. No flowers, nor aculei. Petioles spinose at the end.

Kuburuwael. *Herm. zeyl.* 12. 19. 57.

Peregrini alii fructus. *Clus. exot.* 58, f. I, cop. in

Alii fructus peregrini. *Dalech.* 1160. f. II.

BONDUCH. *Dale* 336.

Puticaraja. *Jones in asiat. res.* ii. 351.

Niccars. *Graing.* 58. 73.

3. GUILANDINA *gemina*. Pistils 2. From *Lour.* i. 325.

4. GUILANDINA *paniculata*. Branches and petioles aculeate. Flowers paniculate, without bracteae.



Legumina monospermous, glabrous. *L. a Willd.*  
ii. 535, repr. from *Lamarck*.

*KAKA-MULLU*. *Rheede* vi. 33. t. 19.

5. *GUILANDINA parvifolia*. Branches and petioles aculeate. Pinnations from septemjugate to novemjugate. Folioles oblong, rounded at the end. *Obs.* 8347. Specimen gathered in Fothergill's garden. No fructifications.

*G. Nugae*  $\beta$ . *Burm. N. ind.* 99.

*NUGAE SYLVARUM* minimae. *Rumph.* 95. t. 49. f. 2.

#### 423. MORINGA.

*Calyx* quinquepartite. *Petals* inserted into the calyx, unequal. *Capsule* unilocular, trivalve. From *Gaertn. L. a Schreb. Burm.*

*Hyperanthera*. *L. a Willd.* ii. 535. *Forsk.*

1. *MORINGA octogona*. Stamina 10. Legumina mostly octogonous. From *Hyperanthera decandra. L. a Willd.* ii. 535, *ANOMA Moringa. Lour.* i. 342.

2. *MORINGA erecta*.—Five of the stamina barren. Legumina mostly trigonous. Leaves mostly bipinnate; lower folioles ternate. From *Lour.* and *L. a Willd.*—*Salisb. R. allert.* 326.

*M. pterygosperma, Gaertn.* ii. 314. t. 147. f. 2.

*Hyperanthera Moringa. L. a Willd.* ii. 536.

*Guilandina Moringa. L. sp.* 546; *mant.* 379. *Swartz. obs.* 167. Cultivated in Jamaica.—*Hort. kew.* ii. 56. *Brought. hort.* 481. *Jones in asiat. res.* iv. 283. *Jacq. coll.* ii. 371; *ic.* iii. t. 461.

- Anoma Morunga. *Lour.* i. 343.  
*M. zeylanica*, foliorum pinnis pinnatis, flore majore,  
 fructu anguloso. *Burm. J. zeyl.* 162. t. 75.  
*M. zeylanica*, pinnis rarioribus, flore minore. *Burm.*  
*J. zeyl.* 164.  
 Mouringou. *Rheede* vi. 19. t. 11.  
*Nux Been zeylanica*, siliqua triangula, seminibus a-  
 latis. *Herm. prodr.* 357; *hort.* 692. *Raii hist.*  
 1739. *Comm. hort.* i. 219. t. 112.  
*Balanus myrepsica* siliqua triangulari, semine minore  
 alato. *Breyn. prodr.* 47.  
 Morunga. *Rumph.* i. 184. t. 74.  
 Moringa. *Acosta in Clus. exot.* 278. No fig.—  
*Park. theatr.* 1651. *Dalech.* 1866, *cop. in*  
*M. lentisci folio*, fructu magno anguloso, in quo se-  
 mina ervi. *Bauh. J. i. b.* 435. *Raii hist.* 1745.  
*Nux Ben*, sive Glans unguentaria. *Park. theatr.*  
 239.  
*Nux unguentaria arbor.* *Bauh. J. i. a.* 317, may  
 be a young plant.  
 MORINGA. *Thunb. trav.* iv. 205.  
*Nucis Ben* species altera. *Geoffr.* ii. 407.

3. MORINGA aptera. Seeds without wings. *From*  
*Gaertn.* ii. 314.  
*Balanus myrepsica*, sive Glans unguentaria. *Ger.*  
*by Johns.* 1400, *cop. in*  
*Nucula* sive Glans unguentaria. *Bauh. J. i. a.* 317,  
 with the addition of some of the seeds, which  
*cop. in*  
*Nux Ben*, sive Glans unguentaria. *Park. theatr.*  
 239. The legumen and seeds.  
 Glans unguentaria. *Raii hist.* 1738.  
 Ben blanc. *Pomet* 227. t. Gousse de Ben. Fruit  
 de Ben.

*BEN.* Dale 336. *Lew.* i. 206.

*Nux Ben.* *Geoffr.* ii. 401.

*Nux Been.* *Carth.* i. 342. *Murr.* ii. 402.

*Been nux.* *Vog.* 264.

*Balanus myrepsica.* *Mill. Jos.* 70. *Rutty* 53.  
*Schrod.* 542.

*Balanus myrepsica*, seu *Nux Been.* *Herm.* 346.

*OLEUM BEHEN.* *Berg.* 344. *Linn.* 132.

*Oleum de Ben.* Dale 337.

*Oleum nucum Behen.* *Spielm.* 462.

*Oleum balaninum.* *Geoffr.* ii. 406. *Murr.* ii. 403.

*Oil of Ben.* *Neum.* ii. 65.

#### 424. PROSOPIS.

*Calyx* semiquinquefid. *Petals* 5 and 4. *Stamina* 10 and many. *Legumen* unilocular, polyspermous. *Obs.* 5684, and from Koenig in *Roxb.* & *Rpxb.* *L.*

##### 1. *Petals* 5. *Stamina* 10.

1. *PROSOPIS spicigera.* Leaves conjugate; pinna-tions bijugate. Spikes interrupted. From *Roxb.* i. 45. t. 63. *L. mant.* 68. 514. *Burm. N. ind.* 102. t. 25. f. 3.

*PROSOPIS aculeata.* *Roxb. in asiast. res.* iv. 420. t. at p. 451. *Koenig.*

##### 2. *Petals* 5. *Stamina* many.

2. *PROSOPIS scandens.* Leaves terminated by a tendrill. *Obs.* 8724. Specimen in flower gathered by Dr. Wright in Jamaica.



*Mimosa scandens*. L. *sp.* 1501. *Swartz. obs.* 389.

*Hort. kew.* iii. 440. *Burm. N. ind.* 222.

*Gigalobium*. *Browne* 362.

*Phaseolus maximus perennis*, folio decomposito, lobo maximo contorto. *Sloane cat.* 68; *hist.* ii. 178.

*Perim Kaku Valli*. *Rheede viii.* 59. *t.* 32. 33. 34.

*Pusaetha*. L. *zeyl. n.* 644.

*Leaves* conjugate; pinnations quinquejugate; foli-oles oblong, obtuse, slightly falcate. *Obs.* 8724.

*FABA marina*. *Rumph. v.* 5. *t.* 4.

#### 425. CADIA.

*Calyx* quinquefid. *Petals* 5, equal, obcordate. *Legumen* polyspermous. *Hort. kew.*

1. *CADIA purpurea*. *Forsk.* 90. *Hort. kew.* iii. 492.

*CADIA*. *Forsk. p.* xcix.

#### 426. ADENANTHERA.

*Calyx* quinquedentate. *Petals* 5. *Antherae* with a globular gland at the end. *Legumen* membranaceous. L.

1. *ADENANTHERA pavonina*. *Leaves* decom- pound, glabrous. L. *sp.* 550. *Jacq. coll.* iv. 212. *t.* 23.

*A. foliis decompositis*. *Royen* 462.

*Corallaria parvifolia*. *Rumph.* iii. 173. *t.* 109.

*MANDSJADI*. *Rheede vi.* 25. *t.* 14. *Raii hist.* 1752.



## 427. HAEMATOKYLUM.

*Calyx*, limb quinquepartite, deciduous; segments obovate. *Petals* 5, obovate. *Legumen* unilocular, bivalve; valves bursting longitudinally. *Obs.* 5685, & from Rottb. in L. a Schr. L.

1. HAEMATOKYLUM *campechianum*. L. sp. 549. *Woodo*, i. 48. t. 17. *Hort. kew.* ii. 58. *Jacq. obs.* i. 20.

*Haematoxylum*. Browne 221. Cultivated in Jamaica.

*Lignum campechianum*, species quaedam brasiliensis. *Sloane cat.* 213; *hist.* ii. 183. t. 231. f. 1.

2. The wood.—*Catesb.* ii. 66. t. 66.

*Leaves*, abruptly pinnate; folioles obcordate, entire at the margin; veins oblique, very fine. *Flowers* racemose. *Pedicles* filiform, about as long as the flowers, mostly irregularly verticillate. *Calyx* quinquepartite; segments obovato-oblong, pubescent at the margin, veined, somewhat shorter than the petals. *Petals* 5, obovato-oblong, veined, inserted at the fissures of the calyx. *Stamina* unequal, inserted into the sides of the calyx, 5 at the base of and 5 alternating with the petals. *Filaments* subulate, hairy at the margin from a little above the base to some way above the middle. *Antherae* oblong. *Pollen* globular, bright yellow. *Germen* lanceolato-oblong, compressed. *Style* as long and nearly as long as the germen, a little bowed. *Stigma* a little thicker than the style, truncate. *Obs.* 8723. Specimen gathered by Dr. Wright in Jamaica.

*HAEMATOKYLUM*. The wood. *Pharm. lond.*  
*H. campechianum*. The wood. *Pharm. edin.*

- Lew. disp. by Dunc.* 231. *Murr. J.* i. 216.  
*Pearson, R. ed.* ii. 346.
- Lignum campechense.* *Alst.* ii. 53. *Blane* 491.  
*Cull.* ii. 47. *Fordyce, G. pract.* 330. *Hill* 686.  
*Hunter jam.* 236. *Lew.* ii. 60; *in Neum.* ii. 162.  
*Long* iii. 754. *Monro* iii. 38; *sold.* i. 357. *Murr.*  
 ii. 429. *Percival in med. journ.* iv. 60. *Pringle*  
 281. *Reid, T. phthis.* 213. *Vog.* 281. *Wright*  
*in med. journ.* viii. 261.
- Lignum campechianum.* *Pharm. succ.—Ploucq.*  
*bibl.* i. 532. 653.
- Lignum campescanum.* *Berg.* 351. *Dale* 344.  
*Linn.* 134. *Schoepf* 64. *Vog.* 281.
- Lignum tinctile campechense.* *Rutty* 285.
- Lignum tinctorum campechense.* *Wintringh. in*  
*Mead mon.* i. 264.
- Logwood.* *Clark, J. long voy.* 331. *Darw.* ii. 749.  
*Graing.* 37. *Macgrigor in ann. med. lust.* II.  
 i. 366. *Quier in lett. and ess.* 136. *Underw.* i.  
 135.
- Campechy wood.* *Darw.* ii. 100.

#### 428. MYROXYLUM.

*Calyx* campanulate. *Petals* 5, the uppermost larger.  
*Germen* longer than the corolla. *Legumen* mon-  
 ospermous. *L. fil.*

1. MYROXYLUM *abruptifolium*.—Leaves abruptly  
 bijugate. *From*  
*M. peruiferum.* *L. a Willd.* ii. 546, & *fil. suppl.*  
 233. Found by Mutis in Terra Firma.  
*Hoitziloxitl.* *Hern.* 51.  
*Cabureiba.* *Pis. bras.* 57. 119. No fig.

Balsamum ex peru. *Raii hist.* 1757.  
 (Balsami peruviani fructus. *Bauh. J. i. a.* 294, &  
 Fructus sive theca balsami occidentalis arboris. *Park.*  
*theatr.* 1570, do not accord with the generic descr.  
 of the legumen.)

*Folioles* entire at the margin. *Specimen* in the her-  
 barium of Sir Jos. Banks from that of Ph. Miller.

**BALSAMUM PERUVIANUM.** Balsam of Pe-  
 ru. *Pharm. lond.—Alst.* ii. 392. *Berg.* 888.  
*Chom.* 626. *Cull.* ii. 190. *Fordyce, G. pract.*  
 208; *W. fragm.* 71. *Hill* 701. *Lew.* i. 195.  
*Linn.* 131. *Monro* ii. 344. *Murr.* vi. 111. *Rut-*  
*ty* 55. *Spielm.* 320. *Wintringh. in Mead mon.* i.  
 234. *Woodv.* iv. 163.

Balsamum peruanum. *Dale* 337. *Mill. Jos.* 73.

Balsamum peruvianum fuscum. *Carth.* iii. 416.  
*Geoffr.* ii. 481.

Balsamum peruvianum nigrum. *Herm.* 668. *Vog.*  
 306.

M. Peruiferum. Balsam. *Pharm. edin.—Lew.*  
*disp. by Dunc.* 262. *Murr. J. i.* 336. *Pearson,*  
*R.* ii. 190.

Black Balsam of Peru. *Neum.* ii. 7.

Balsamum ex Peru. *Bauh. J. i. a.* 295.

Balsamus peruvianus. *Ploucq. bibl.* i. 129. 189.  
 556.

Balsam of Peru. *Darw.* ii. 392. 748. *Kirkland*  
*apopl.* 97. 139. *Monro, Don. sold.* ii. 148. *Rush*  
 ii. 128.

Peruvian Balsam. *Whately ulcers* 76.

**BALSAMUM peruvianum album.** *Carth.* iii. 416.  
*Dale* 337. *Geoffr.* ii. 482. *Herm.* 670. *Lew.* i.  
 197. *Spielm.* 320. *Vog.* 305.

White Balsam of Peru. *Neum.* ii. 7. *Woodv.* iv.  
 163.



MONOGYNIA. 429. Cynometra. 478

**BALSAMUM** peruvianum siccum. *Spielm.* 321.

Balsamum indicum siccum. *Carth.* iii. 417. 430.

Dry Balsam of Peru. *Neum.* ii. 7.

Baume sec. *Pom.* i. 277.

2. **MYROXYLUM** *trialatum*. Stem with 3 wings.

*From*

Quina Quina. *Juss.* 366, under *Myrospermum*.—

*Rees cyclop.* under *Cinchona* n. 1.

Quina Quina prima. *J. Hawkeens delin. and sculps.*

1742. A plate in Mr. Knowlton's library, *cop.*  
*in*

**QUINA QUINA.** *Condamine in linn. trans.* iii.  
60. (where in the running title for Mr. Hawkins  
read M. de la Condamine,) *t.* 12. *Murr.* i. 550.  
551.

429. CYNOMETRA.

*Calyx* tetraphyllous. *Petals* equal. *Antherae* bifid  
at the end. *Legumen* monospermous, fleshy, cres-  
cent shaped. *From L.*

1. **CYNOMETRA** *cauliflora*. Flowers on the trunk.

*L. sp.* 547. *Gaertn.* ii. *t.* 156.

**CYNOMORIUM.** *Rumph.* i. 163. *t.* 62.

Nam Nam. *Cook in Hawksw.* iv. 349.

2. **CYNOMETRA** *ramiflora*. Flowers on the branches.

*L. sp.* 547.

*Cynomorium silvestre.* *Rumph.* i. 167. *t.* 63.

**IRIPA.** *Rheede* iv. 65. *t.* 31. In fruit.

*Malus indica*, pomo cucurbitaeformi monopolyreno.

*Raii hist.* 1675.



## 430. ALOEXYLUM.

*Calyx* tetraphyllous; lower phyllum twice as long as the rest. *Petals* unequal. *Legumen* monospermous, woody. *From* Lour.

1. ALOEXYLUM *Agallochum*. *Lour.* i. 327, from a recent specimen, in flower much bruised in the cartiage; account from in *phys. journ.* ii. 293.

AGALLOCHUM. *Alst.* ii. 33. *Berg.* 903. *Chom.* 407. *Dale* 347. *Lour.* in *bot. tracts* 88, and account from in *chir. rev.* xii. 135. *Mill. Jos.* 17. *Schrod.* 527.

*Agallochum officinarum.* *Geoffr.* ii. 215.

*Lignum aloes.* *Dale* 348. *Herm.* 226. *Lew.* ii. 59; *disp.* 75. *Linn.* 285. *Murr.* vi. 185. *Neum.* ii. 215. *Spielm.* 306. *Vog.* 279.

*Lignum aloes verum.* *Carth.* iii. 190.

*Calambac.* *Cunningh. ap.* *Dale* 348.

*Bois de Calambouc.* *Pom.* i. 104.

## 431. CASSUVIUM.

*Calyx* pentaphyllous. *Petals* 5. *Stamina* 8 to 10. *Nut* reniform. *Obs.* 8514. The account of the fruit from *Jacq. Juss.*

Some flowers without a germen, or with an abortive one. *Rotb. ap. L. a Schreb.*—and some without stamina. *Jacq.*

*Anacardium.* *L.*

1. CASSUVIUM *solitarium.*

*Anacardium occidentale*. *L.* sp. 548. *Hort. kew.* ii. 40. *Jacq. amer.* 124. t. 181. f. 35, a flower and fruit;—*Sco*, 158. *Mill. Ph. dict.* *Lour.* i. 304.

*Cassuvium*. *Rumph.* i. 177. t. 69. Style apparently erroneous.

*Acajou*. *Boerh.* ii. 262. *Dalech.* 1846. *Tourn. inst.* t. 435.

*Anacardium*. *L. ups.* 102. *Royen* 465. *Browne* 226. *Bauh. J. i. a.* 334, the 2 lowermost figures,

*Cajous arbor*. *Park. theatr.* 1568, with a fig. of the plant, &

*Cajous*. *Dalech.* 1765, cop. from *Ger.* by *Johns.* 1544. The fruit.—*Bauh. J. i. a.* 336. No fig.

*Acaju*. *Pis. bras.* 57, repr. in *mant.* 193. *Grew mus.* 209.

Cashew nut. *Ellis in phil. trans. abr. by Hutt.* xi. 49. t. 3. f. 7.

*Pomifera seu potius prunifera indica, nuce reniformi summo pomo innascente, Cajous dicta.* *Raii hist.* 1649. *Sloane cat.* 187; *hist.* ii. 136. *Catesb. app.* t. 9.

*Kapa-mava*. *Rheede* iii. 65. f. 54.

*Leaves* coriaceous, obovate. *Calyx*, phylla lanceolate, slightly incumbent, the outer rather elliptic, the inner narrower. *Petals* 5, lanceolate,  $1\frac{1}{2}$  as long as the calyx, rather coriaceous. *Stamina* 10, one of which half as long as the corolla, the rest smaller, unequal, some two thirds, others half as long as the longer stamen. *Anthera* of the longer stamen oval, those of the shorter stamina roundish. *Pistil* very small, probably abortive. *Obs.* 8514. Specimen gathered by Dr. Wright in Jamaica.

*ACAJOU*. *Lew.* i. 79. *Graing.* 37.

*Cajous*. *Geoffr.* ii. 399.

*Anacardium occidentale.* *Alst.* ii. 252. *Berg.* 347.  
*Bryant* 352. *Chom.* 337. *Dale* 310. *Linn.* 126.  
*Mill. Jos.* 35. *Murr.* iv. 413. *Pearson, R.* ii.  
 71. *Schoepf* 62. *Wright in med. journ.* viii. 222.  
*Gummi Acaju.* *Cartheus.* i. 293.  
*Acajou tree.* *Quier in lett. & ess.* 127.  
*Cushoo.* *Percival, Rob. ceyl.* 314.

## 432. TOLUIFERA.

*Calyx* quinquedentate, campanulate. *Petals* 5, the  
 lowermost very large and obcordate. *Style* none.  
*L.*

1. *TOLUIFERA Balsamum.* *L. sp.* 549. *Woodv.*  
 iii. 526. *t.* 193, from a specimen in Sir Jos. Banks's  
 herbarium, of a branch and a racemus of unex-  
 panded flowers.

*Balsamum provinciae tolu,*

*Balsamifera quarta.* *Hern.* 53. No fig.

*Balsamum de tolu.* *Mon. ap. Clus. exot.* 304. No  
 fig.—*Bauh. J.* i. a. 296. No fig.

*BALSAMUM TOLUTANUM.* *Balsam of To-*  
*lu.* *Pharm. lond.*—*Alst.* ii. 395. *Carth.* iii. 421.  
*Chom.* 626. *Cull.* ii. 191. *Dale* 278. *Geoffr.* ii.  
 484. *Hill* 703. *Lew.* i. 198. *Linn.* 133. *Mead-*  
*mon.* i. 60. *Monro* ii. 345. *Murr.* vi. 117. *Rutty*  
 56. *Spielm.* 331. *Underw.* i. 309. *Vog.* 309.

*Balsamum Tolu.* *Berg.* 350.

*Balsamum de Tolu.* *Pharm. austriaco-prov.* 22.—  
*Mill. Jos.* 74. *Park. theatr.* 1570. *Raii hist.*  
 1758.

*Balsam of Tolu.* *Chalm.* i. 92. *Hammick in con-*  
*trib.* 383. *Neum.* ii. 6.



MONOGYNIA. 434. Limonia. 477

*T. Balsamum.* *Murr. J.* i. 335. *Pearson, R.* i. 161; ii. 199.

*Baume de Tolu.* *Chom.* 626.

433. BERGERA.

*Calyx* quinquepartite. *Petals* 5. *Stigma* turbinate.  
*Berry* dispermous. *L. a Willd.—L.*

1. BERGERA *Koenigii.* *L. mant.* 563. *Roxb.* ii. t. 112.

*PAPAlA sylvestris.* *Rumph.* i. 149. t. 53. f. 1.

434. LIMONIA.

*Calyx* with 4 and 5 divisions. *Petals* 3, 4, and 5.  
*Filaments* 5, 8, and 10. *Berry* quinquelocular  
quadrilocular and trilocular; cells monospermous.  
*From Roxb. Juss. Jacq. & L.*

1. Mostly spinose.

1. LIMONIA *monophylla.* Leaves simple. *From L. mant.* 237. *Hort. kew.* ii. 63.

*Limones pusilli zeylanici sylvestres.* *Burm. J. xeyl.* 143. t. 65. f. 1.

*LIMONIA monophylla.* *Lour.* i. 333. *Roxb.* i. t. 83.

2. LIMONIA *trifoliata.* Leaves ternate. *From L. mant.* 237. *Donn* 97. *Jacq. coll.* iii. 176; ic. t. 463. *Andr, rep.* ii. t. 143.

*L. trifolia.* *Burm. N. ind.* 103. t. 35. f. 1.



478' DECANDRIA. 436. Trichilia.

**LE PETIT CITRON** doux. *Sonn. nouv. guin.*  
102. t. 63.

3. **LIMONIA** *acidissima*. Leaves pinnate. *From L.*  
*mant.* 380; *sp.* 554.

*Anisi folium.* *Rumph.* ii. 134. t. 43. Foliolae en-  
tire at the margin, obovate, retuse.

**TSJEROU-KATOU-NAREGAM.** *Rheede* iv.  
31. t. 14.

*Malus Limonia indica*; fructu pusillo. *Rati hist.*  
1658.

*Madja.* *Cook in Hawkesw.* iv. 350.

435. FERONIA.

*Calyx* inferior, quinquepartite. *Petals* 5. *Berry*  
mukilocalar; cells polyspermous. *From Correa.*

1. **FERONIA** *elephantum*. *Correa in linn. trans.* v.  
224. *Roxb.* ii. t. 141.

436. TRICHILIA.

*Calyx* mostly quinquedentate. *Petals* 5. *Necta-*  
*rium* cylindric, dentate. *Antherae* at the ends of  
the teeth of the nectarium. *Capsule* trilocular,  
trivalve. *Seeds* as if contained in a berry. *L.*

1. **TRICHILIA** *trifoliata*. Leaves ternate; folioles  
obovate, shining. *Vahl. symb.* i. 31. *L. sp.*  
551.

**TRICHILIA** *trifolia*. *Jacq. amer.* 129. t. 82;  
8vo, 163.

2. *TRICHILIA emetica*. Leaves pinnate, villose underneath; folioles elliptic. *Vahl. symb. i. 31.*  
*ELCAJA. Forsk. 127.*

437. SANDORICUM.

*Calyx* quinque-dentate. *Petals* 5. *Nectarium* cylindric, truncate. *Antherae* inserted into the mouth of the nectarium. *Drupe* with 5 nuts. *L. a Willd.; a Schreb. Cav.*

1. *SANDORICUM indicum*. *L. a Willd. ii. 556.*  
*SANDORICUM. Rumph. i. 167. t. 64.*

438. SUITENIA.

*Calyx* quinquepartite. *Corolla* double; the outer pentapetalous, the inner monopetalous, decemdentate. *Stamina* inserted into the inner corolla. *Capsule* quinquelocular, woody. *Seeds* winged. *Obs. 5583. L.*

1. *SUITENIA acutifolia*. Folioles acuminate. *Obs. 5583.* Specimen gathered by Broughton in Jamaica.  
*S. Mahagoni. L. sp. 548. Hort. kew. ii. 59. Woodv. iv. 62. t. 235,* from a specimen in Sir Jos. Banks's herbarium.  
*Cedrela foliis pinnatis, floribus sparsis, ligno graviori. Browne 158.*  
*Cedrus Mahogani. Mill. Ph. dict. n. 2.* In Cuba, Hispaniola, Jamaica, and the Bahamas.  
*Arbor foliis pinnatis nullo impari, nervo ad latus. Catesb. i. t. 81.*

**MAHAGONI.** Schreb. ap. Linn. 134.

Mahagony. Schoepf 65.

S. Mahagoni. Bark. Pharm. edin.—Lew. disp. by Dunc. 316. Murr. J. i. 188. Wright in med. journ. viii. 286.

Swietenia. Murr. vi. 132.

Mahogani. Lind hot clim. 311. Murr. i. 551.

Mahogany wood. Hughes in med. facts vi. 156.

2. **SUITENIA** *obtusifolia*. Folioles obtuse. From S. febrifuga. Roxb. i. 18. t. 17.

**SWIETENIA** febrifuga. The bark. Pharm. edin.—Lew. disp. by Dunc. 316. Murr. J. i. 187. Pearson, R. ed. ii. 393. Roxb. in med. comment. dec. II. vii. 547; ix. 405; ann. med. i. 390; & med. facts vi. 127. Woods. iv. 64.

Cortex Saimydae. Schumacher, account from in phys. journ. vii. 81.

Febrifuge bark. Kennedy in ann. med. i. 387.

3. **SUITENIA** Toon. From

**TOON TREE.** Roxb. in ann. med. i. 389.—Kennedy ib. 387.

#### 439. COOKIA.

*Calyx* inferior, quinquefid. *Petals* 5. *Pomum* quinquelocular; cells monospermous. From Retz. Sonn.

1. **COOKIA** *punctata*. Retz. obs. vi. 29. n. 47. Sonn. Quinaria Lansium. Lour. i. 334.

**LANSIUM** silvestre. Rumph. i. 153. t. 55.

Lance. Bont. 109, inner fig. seems rather to be Lansium. Rumph. i. 151. t. 45.

## 440. AULACIA.

*Calyx* inferior, quinquedentate. *Petals* 5, sulcate,  
erect. *Berry* quinquelocular, dispermous. *Lour.*

1. *AULACIA falcifolia*.—Leaves lanceolato-falcate,  
alternate. Racemi terminal. *Lour.*

*AULACIA falcata*. *Lour* i. 335.

## 441. MELIA.

*Calyx* quinquedentate. *Petals* 5. *Stamina* mona-  
delphous. *Filaments* trifid at the end. *Drupe*.  
*Nut* quinquelocular. *Obs.* 5678. *L.*

1. *MELIA Azedarach*. Leaves bipinnate. *L. sp.*  
550. *Hort. kew.* ii. 59. *Lour.* i. 329.

*Azedaraeth arbor, fraxini folio, flore caeruleo. Raii*  
*hist.* 1546.

*Arbor fraxini folio, flore caeruleo. Tourn. hort.* 277.

*Azederach. Pococke* ii. 188. t. 83, at p. 189. In  
Palestine.—*Boerh.* ii. 236.

*Pseudo-Sycomorus. Cam. epit.* 181, cop. in

*Azadaracheni arbor. Bauh. J.* i. a. 554.

*Azadarichta indica, foliis ramosis minoribus, flore*  
*albo subcaeruleo purpurascente majore. Breyn.*

*prodr.* 47. In the Dutch gardens.—*Comm. hort.*  
i. 147. t. 76. From Ceylon.

*Pseudo-Sycomorus. Besl. hort. aest. ord. arb. fol.*

2. f. 1.

*Azadarac. Clus. hisp.* 54. No fig.

*Azedarach. Dod.* 886, repr. in

*Azadarac herbariorum. Clus. hist.* i. 30, &



*Zizypha candida*. *Ger. by Johns*. 1491, & *cop. in*

*Azadaraeth herbariorum*. *Park. theat.* 1443.

*Zizyphus alba* Matthioli, sive *Pseudosycomorus*. *Dalech.* 358.

*Filaments* united into a cylindrical tube with 10 ridges, villose on the inside, readily separable into 10 stamina; intermediate segments very short. *Antherae* inserted into the intermediate segments of the filaments. *Obs.* 3678.—*Floral leaves* ternate and simple. *Obs.* 8725. Specimen gathered by Dr. Wright in Jamaica.

*AZEDARACH*. *Dale* 309. *Schoepf* 65. *Thunb. trav.* iv. 38,

*M. Azedarach*. *Bart.* 42, *republ. in phys. journ.* viii. 428. *Core* 373.

2. *MELIA pinnata*.—Leaves pinnate. *L.*

*M. Azadirachta*. *L. sp.* 550. *Mill. dict. n.* 2.

*M. fraxinifolia*. *Sulisb. R. hort.* 317.

*Azedarach foliis sulcato-serratis*. *Burm. J. zeyl.* 40. t. 15.

*Azadirachta indica*, foliis fraxini sive non ramosis majoribus, flore minore albo. *Breyn. prodr.* 47; *ic.* 15. t. 1.

*Arbor Azadirachta indica*, foliis fraxini sive non ramosis, flore minore. *Breyn. prodr.* 6.

*Olea malabarica*, fraxini folio. *Pluk. alm.* 269; *phyt.* t. 247. f. 1.

*Aria Bepon*. *Rheede* iv. 107. t. 52.

*Nimbo*. *Dalech.* 1867, *cop. in*

*Nimbo folio et fructu oleae*. *Bauh. J.* t. 6. 27.

Flowers represented as racemose and fruit as cernuous.

*Zizyphus alba*. *Dalech.* 358, but folioles with equal halves.

*Olea malabarica*, Nimbo dicta, fructu racemoso oblongo. *Rati hist.* 1545.

*MELIA* *Azadirachta*. *Roxb. in med. facts* vi. 154.

## 442. RUTA.

*Calyx* quinquepartite and quadripartite. *Petals* 5 and 4, unguiculate. *Receptacle* with nectariferous dots. *Capsule* lobate. *Obs.* 8223. *L.*

1. *RUTA graveolens*. Leaves supradecomposed; folioles obovate and oblong. Petals lacerate at the margin. *Obs.* 8223. Specimen gathered in a garden.—*L. sp.* 548; *a Murr.* 397. *Hort. kew.* ii. 57. *Woodv.* i. 108. *t.* 37. *Gouan hort.* 205. Near Montpellier.—*Host* 220. In Croatia, Carniola, Friuli, and Litorali.—*Asso n.* 351.
- a obovatifolia*. Folioles oblongo-obovate. *Obs.* 8223. —*L. sp.* 548 *v*
- R. sativa*. *Dalech.* 972.
- R. major, hortensis, latifolia*. *Boerh.* i. 260.
- R. sativa vel hortensis*. *Rati hist.* 874. *Bauh. J.* iii. a. 197, *cop. from*
- R. hortensis*. *Fuchs.* 388. *c.* 236. *Mill. Ph. dict.* n. 1. *Lob. obs.* 506; *repr. in ic.* ii. 52, *Ger. by Johns.* 1255, &
- R. graveolens hortensis*. *Dod.* 119, *and cop. in Hist. ox.* ii. s. 5. *t.* 14. *row* 3. *f.* 1, &
- R. hortensis major*. *Park. theatr.* 133.
- R. domestica*. *Trag.* 68, *repr. in*
- R. sativa*. *Cord. fol.* 136, *p.* 2.
- Ruta*. *L. ups.* 102. *Park. par.* 530. *t.* 531. *f.* 3.

*Branches* glaucous. *Leaves* glaucous; folioles obsoletely crenulate, on the bloom being rubbed off appearing dotted with light green dots, and underneath with dark green dots, the terminal one frequently obcordate. *Calyx*, segments acute, patent. *Petals* yellow; laminae with semitransparent dots, concave, gibbous underneath, cordate at the base. *Germen* ovate, with 4, and that of the terminal flower with 5 furrows, minutely dotted, dull green, on a fleshy receptacle. *Receptacle* broader than the germen; dots brownish, irregularly placed in a circle, 15 and 17. *Obs.* 8223.

*RUTA.* Rue. The herb. *Pharm. lond.*—*Alst.* ii. 211. *Berg.* 349. *Carth.* iii. 138. 467. *Cull.* ii. 365. *Dale* 215. *Geoffr. suite* iii. 360. *Herm.* 485. 296. *Hill* 340. *Lew.* ii. 284. *Monro* iii. 240. *Murr.* iii. 112. *Neum.* ii. 219. *Ploucq. bibl.* i. 429. *Quarin febr.* 60. 82. 146. 207. 240; *anim.* 11. 229. *Rutty* 440. *Spielm.* 291. *Underw.* i. 159. 161. *Vog.* 78. *Wintringh. in Mead mon.* i. 276. 277.

*R. graveolens.* *Pharm edin.*—*Krock.* n. 621. *Lew. disp. by Dunc.* 298. *Murr. J.* i. 290. *Pearson, R.* i. 297; ii. 216; *ed.* ii. 334.

*R. hortensis.* *Linn.* 133. *Mill. Jos.* 380.

*R. hortensis latifolia.* *Chom.* 157; *suppl.* 53.

*Rue.* *Barton, account from in chir. rev.* ii. 286.

*Darw.* ii. 189. 209. *Lind hot clim.* 313. *Underw.* ii. 58.

♂ *oblongifolia.* Folioles ovali-oblong. *Obs.* 8224.

Specimen gathered by Broughton in a British garden.

*R. graveolens.* *Berg. mat. med. n.* 223. *Scop. carn. n.* 477. On Mount Nanas near Trieste.

*R. altera.* *Mill. Ph. dict. n.* 2.



- R. sylvestris graveolens.* *Dod.* 119. *repr. in*  
*R. sylvestris montana.* *Lob. obs.* 506;  
*Peganon.* *Lob. ic.* ii. 53,  
*R. montana.* *Ger by Johns.* 1255, and *cop. in*  
*R. sylvestris major.* *Park. theatr.* 133, & *Hist. ox.*  
 ii. s. 5. t. 14. row 3. f. 3. *Bauh. J.* iii. a. 199.  
*Boerh.* i. 260. *Raii hist.* 874. On rocky hills  
 about Montpelier and Nismes, and near Massa in  
 Tuscany.  
*R. sylvestris.* *Raii europ.* 225.  
*R. sylvestris Matthioli.* *Dalech.* 972.  
 *Ruta sylvestris.* *Geoffr. suite* ii. 301.  
*R. montana.* *Dale* 215.  
*R. hortensis altera.* *Boeckl. ap. Herm.* 486.
2. *Ruta chalepensis.* Leaves supradecompound; foli-  
 oles oblong. Petals ciliate. *From L. mant.* 69,  
 & *a Willd.* ii. 543.  
*R. tenuifolia, florum petalis villis scatentibus.* *Hist.*  
*ox.* ii. s. 5. t. 35. row 2. outer fig.  
*Ruta chalepensis.* *Lour.* i. 330.

## 443. DICTAMNUS.

*Calyx* pentaphyllous. *Petals* 5, unequal, lanceolate,  
*Germen* pedicellate. *Capsules* 5, unilocular, con-  
 nected, opening on the inner side, *Obs.* 5. *L.*

## 1. DICTAMNUS solitarius.

- D. albus.* *L. sp.* 548; *fil. suppl.* 232. *Hort. kew.*  
 ii. 57. *Curt. mat. med.* t. 2. *Storck flammula jov.*  
 36. t. *repr. in Spalows.* 26. t. *Asso n.* 350.  
*D. vulgaris.* *Trag.* 27, *repr. in*  
*Fraxinella.* *Cord. fol.* 95, p. 1. *Renealm.* 122. t.



121. *Dod.* 345, repr. in *Ger. by Johns.* 1245, abr. in *Park. par. t.* 331. f. 8, repr. in *Lob. obs.* 537; *ic.* ii. 96; & cop. in

*Fraxinella vulgaris.* *Park. theatr.* 417.

*Fraxinella, officinis Dictamnus.* *Bauh. J.* iii. 494.

*Raii hist.* 698. On the borders of the Rhine.

**FRAXINELLA.** *Herm.* 99.

*D. albus.*—*Pharm. austriaco-prov.* 36. *succ.*—*Alst.* i. 433. *Berg.* 348. *Dale* 177. *Geoffr.* ii. 51. *Hill* 587. *Lew.* i. 398; *disp. by Rother.* 154; *by Dunc.* 341. *Linn.* 132. *Mill. Jos.* 177. *Murr.* iii. 108. *Neum.* ii. 129. *Spielm.* 265. *Vog.* 218.

*Dictamnus.* *Carth.* iii. 323.

*Fraxinelle.* *Chom.* 307; *suppl.* 102.

*α purpureus.* Corolla reddish purple. *Obs.* 5\*. In a garden.

*D. albus.* *Jacq. austr.* v. t. 428.

*Dictamnus.* *Mill. Ph. ic.* 82. t. 123.

*β albidus.* Corolla whitish. *Obs.* 5. In a garden.

*D. albus.* *Woodv.* ii. 316. t. 116.

#### 444. GUAIAECUM.

*Calyx* pentaphyllous. *Petals* 5. *Capsule* angular, bilocular to quinquelocular. *From Swartz. L.*

1. **GUAIAECUM hijugum.** Leaves bijugate. *Obs.* 8225.

Specimen gathered by Broughton in Jamaica.

*G. officinale.* *L. sp.* 546. *Hort. kew.* ii. 56.

*Woodv.* i. 43. t. 16, from a plant in Kew garden.—

*Mill. Ph. dict. n.* 1. *Swartz obs.* 168. *Gaertn.* ii. t. 413.

*Guaiacum.* *Raii hist.* 1685. *Browne* 225.

*Arbor ligni sancti, vel Guajacum.* *Seb.* i. 86. t. 53. f. 2.

*Pruno* vel *euonymo* affinis arbor, folio alato buxco subrotundo. *Sloane cat.* 186; *hist.* ii. 133. *t.* 222. *f.* 3. 4. 5. 6. In fruit.

*Guayaci* ramulus. *Mon. ap. Clus. exot.* 314, repr. in

*Guaiaci arboris* ramulus. *Ger. by Johns.* 1611, & cop. in

*G. sive Lignum sanctum.* *Park. theatr.* 1586, &

*Fructus Guaiaci* putatus et folia. *Bauh. J. i. a.* 499.

**GUAIACUM.** Wood. Bark. Gum-resin. *Pharm. lond.*—*Aaskow in act. haun.* i. 308, *Alst.* ii. 42. *Berg.* 345. *Carth.* iii. 182. *Chalm.* ii. 68. 191. *Chamberlaine in med. soc.* iii. 561. *Cull.* ii. 195; *clin.* 200; *pract. n.* 1169. *Dale* 331. *Dunc. cases* 50. *Fordyce, G. pract.* 367. 372. *Fowler, T. in med. comment.* vii. 272; *rheum.* 227, 279, 286, and account from in *med. comment. dec. II. x.* 214. *Geoffr.* ii. 222. *Heberd.* 346. *Herm.* 200. 224. *Hill* 679. *Hunt. J. ven.* 367. *Johnstone, James in med. comment.* ix. 388. *Lew.* i. 475. *Hufeland,* account from in *med. rev.* ii. 456. *Love in med. ess.* v. 82. *Mead mon.* ii. 97. 100. 156. *Mill, Jos.* 221. *Monro* ii. 396; iii. 125; *sold.* ii. 59. 62. *Murr.* iii. 399. *Neum* ii. 26. 91. *Pearson, J.* account from in *ann. med. lustr. II. i.* 268, and *med. rev.* iii. 334. *Ploucq. bibl.* i. 130. 419. *Rush* v. 204. *Pringle* 161. 162\*. *Quarin anim.* 278. 293. 294. *Rutty* 224. *Spielmann* 562. *Stoll med.* iii. 437. *Vog.* 276. 325. *Wintringh. in Mead. mon.* ii. 196. 226; i. 213. 230. *Wright in med. journ.* viii. 258; & in *Graing.* 75.

*G. officinale.* Wood. Gum-resin. *Pharm. edin.*—*Bang in act. haun.* ii. 45. *Lew. disp. by Dunc.*

230. *Linn. amoen. v.* 67. *Murr. J. ii.* 319; ii. 45. *Pearson, R. i.* 249; ii. 180.  
*Lignum sanctum. Pharm. austriaco-prov.* 63.—  
*Linn.* 132. *Schoepf* 64.  
*Guaiac. Clark, J. long. roy.* 431. *Cull. clin.* 230.  
*pract. n.* 475.  
*Gum Guaiacum. Emerigon in Daws. rheum. app.*  
*8. Hunter jam.* 256.  
*Gum Guaiac. Graing.* 61.  
*Gayac. Chom.* 292.  
*Lignum vitae. Graing.* 35. 75.  
*Guaiac pods. Graing.* 67.  
 $\alpha$  *purpureum.* Corolla purple. *Obs.* 8225. *L. a*  
*G. flore caeruleo, fructu subrotundo. Plum. gen.*  
*39. t.* 17.  
*G. jamaicense, foliis velut muria conditis spissius*  
*virentibus, flore subcaeruleo. Pluk. alm.* 180;  
*phyt. t.* 35. *f.* 4.  
 $\beta$  *album.* Corolla white. *Obs.* 8226. Specimen gathered by Broughton in Jamaica.—*L. b.*  
*G. jamaicense, lentisci subrotundis foliis laete virentibus, flore albo. Pluk, alm.* 180; *phyt. t.* 35.  
*f.* 3.

2 **GUAIAECUM** *multijugum.* Leaves multijugate.  
*From*

*G. sanctum. L. sp.* 547. *Mill. Ph. dict. n.* 2.  
*From Antigua.*

*G. americanum, lentisci folio. Comm. hort. i.* 171,  
*t.* 88. Folioles acute. No fructifications excepting a separate capsule.

*Jasminum vulgo americanum, sive euonymo affinis*  
*occidentalis, alati rusci foliis, nucifera, cortice ad*  
*genicula fungoso. Pluk. alm.* 139; *phyt. t.* 94.  
*f.* 4. Folioles acute. No fructifications.



**LIGNUM SANCTUM.** Carth. iii. 189. Dale  
331. Herm. 224.

445. QUASSIA.

*Calyx* quinquefid. *Petals* 5. *Nectaria* 10, ovate.  
*Drupes* 5, distinct, monospermous. *Obs.* 8420. L.

1. **QUASSIA** *peutandra*. Petioles not winged. Leaves  
pinnate with an odd one. Folioles acute. Stamina  
5. *Specimens* in Sir Jos. Banks's herbarium.

*Q. excelsa*. Swartz. *prodr.* 67; *ind. occid.* 742;  
*ap. act. holm. pro ann.* 1788. p. 302, t. 8 with the  
parts of fructification.

*Q. polygama*. Lindsay in *edinb. trans.* ii. t. 6; the  
account cop. in *med. facts* v. 140, & *chir. rev.* ii.  
378.

*Leaves* pinnate with an odd foliole; folioles acute.  
*Specimens* abovementioned.

**QUASSIA**. Wood, bark, and root. *Pharm. lond.*—  
Blane 411. 490. Bree 320. *Cull.* ii. 74. Davidson  
in *Rush* iv. 109. Fordyce G. *sev.* ii. 83. Gibson,  
account from in *med. rev.* ii. 53. Lempr. ii. 179.  
191. 214. Lettsom in *med. soc.* i. 139; and ac-  
count from in *med. comment* xiii. 75. Linn. 134.  
Monro iii. 227. Oberne in *phys. journ.* x. 39. Rush  
v. 122. Wright in *med. facts* vii. 15. 22; *ann.*  
*med.* ii. 352. 353, and in *Gruing.* 39, 58.

*Q. excelsa*. The wood. *Pharm. edin.*—*Lew. disp.*  
by Dunc. 290. Murr. J. i. 186.

*Quassea*. Lettsom *dispensar.* 353.

*Picrania amara*. Wright in *med. journ.* viii. 275.

*Quassy*. Gibson, account from in *phys. journ.* ii.  
194.

*Quassi root*. Monro, Don. *sold.* ii. 111.



Bitter Ash. Long 821.

2. QUASSIA *Simaruba*. Petioles not winged. Leaves abruptly pinnate. Folioles obtuse. *Obs.* 8420. Specimen gathered by Dr. Wright in Jamaica.—*L. fil. suppl.* 234. *Hort. kew.* ii. 61. *Wright in edinb. trans.* ii. 73. *t.* female; *t.* male, which last *abr. in Woodv.* ii. 211. *t.* 76, and the descr. repr. in *med. journ.* xi. 91. *Gaertn.* i. 340. *t.* 70. *f.* 1. *Simarouba amara.* *Aubl.* 860. *t.* 331. *t.* 332.

*Folioles* oblong, mostly obtuse, cuneiform at the base. *Calyx* quinquefid; segments ovato-triangular, hirsutulous. *Petals* 5, lanceolate, acute, incumbent at the base, slightly recurvate, several times longer than the calyx, inserted into the receptacle. *Stamina* 10, somewhat shorter than the petals. *Nectaria* 10, cuneiform, fixed to the inner side of the base of the filaments, villose. *Rudiment of a germen* villose. *Obs.* 8420.

*SIMAROUBA*. The bark. *Pharm. lond.*—*Bodier*, account from *in med. journ.* iv. 363. *Berg.* 355. *Callisen in act. haun.* i. 421. *Carth.* ii. 341. *Clark, J. long coy.* 391. *Cull.* ii. 74. *Dale* 346. 421. *Geoffr.* ii. 211. *Graing.* 40. *Hill* 675. *Jackson febr.* 320. *Jussieu in ac. sci. abr. by Southw.* iii. 291, and account from *in med. ess.* i. 276. *Lew.* ii. 367. *Monro* iii. 267. *Rutty* 485. *Speer in med. comment.* vii. 356. *Spielm.* 227.

*Simaruba.* *Pharm. austriaco-prov.* 67. *succ.*—*Bang in act. haun.* i. 241. *Blane* 490. *Fordyce, G. pract.* 330. *Linn.* 135. *Monro, Don. sold.* i. 360. 373. *Murr.* iii. 457. *Ploucq. bibl.* i. 354. 357. 328. *Pringle* 282. *Quarin febr.* 43. 79; *anim.* 222. 229. 230. *Vog.* 291. *Wintringh. in Mead mon.* i. 264.

**Q. Simaruba.** The bark. *Pharm edin.*—*Lew. disp.* by *Dunc.* 289. *Murr. J.* i. 187. *Pearson, R. ed.* ii. 352. 391. *Wright, account from in med. journ.* xi. 91.

**3. QUASSIA alatifolia.** Petioles winged. *Specimens* in Sir. Jos. Banks's herbarium.

**Q. amara.** *L. fil. suppl.* 235. *L. sp.* 553, 1679; *amoen.* vi. 423. *t.* 4. *at. p.* 429, the flowering branch and fruit; *abr. in Lettsom in med. soc. i.* *t.* 1, *at p.* 128, with the addition of a flower and a calyx. (The branch with leaves is *Sapindus alata*.) *Curt. mag. t.* 497. *Rohr in act. hist. nat. hafn.* i. *pars* ii. 69. On the side of the river Tamaco near St. Martha. Cultivated in gardens in Surinam and Cayenne.—*Woodv.* ii. 215. *t.* 77, from the specimen in the Linnaean herbarium.

**Q. pentaphylla,** pediculis alatis, floribus racemosis terminalibus coccineis, fructu pentaspermo. *Patris dans le journ. de phys.* ix. 140. *t.* 2; & *gaz. salut.* pour 1777. n. 41. 42.

(*Nux. americana*, foliis alatis bifidis. *Comm. hort.* i. 183. *t.* 94, is *Sapindus alata*.)

**QUASSIA.** *Pharm. suec.*—*Aikin in Lew.* ii. 256. *Bang in act. haup.* i. 100. *Berg.* 353. *Ebeling,* account from in *med. comment.* vi. 367. *Farley in phil. trans.* lviii. 81, and *abr. by Hutt.* xii. 515. *Monro* iii. 227, the accounts from authors.—*Murr.* iii. 432. *Pearson, R. ed.* ii. 390. *Ploucq. bibl.* i. 486. 695. *Quarin anim.* 291. *Spielm.* 225.

**Quassi.** *Wintringh. in Mead mon.* ii. 229. 247. 264.

**Bois de Coissi.** *Fermin,* account from in *med. comment.* ii. 315.

## 446. ZYGOPHYLLUM.

*Calyx* pentaphyllous. *Petals* 5. *Nectaria* 10, covering the germen. *Capsule* quinquelocular. *From L.*

1. ZYGOPHYLLUM *Fabago*. Leaves conjugate, petiolate; folioles obovate. Stem herbaceous. *L. sp.* 551. *Hort. kew.* i. 60.

*Telephium* Dioscoridis & Plinii. *Col. ecphr.* i. 132. t. 131.

*Morgsani syrorum.* *Dalech. app.* 25.

*Capparis Fabago.* *Dod.* 747, repr. in *Ger.* by *Johns.* 897.

*Capparis fabaginea*, sive *Peplios luteianorum.* *Bauh. J.* ii. 66.

*Capparis Fabago*, sive *leguminosa.* *Park. theatr.* 1023. Folioles acute.

*Stipulae* ovate. *Calyx*, phylla oval, obtuse. *Obs.* 6906. Specimen gathered in Mr. Thompson's nursery.

*CAPPARIS* portulacae folio. *Raii hist.* 1912.

## 447. GERANIUM.

*Calyx* pentaphyllous. *Petals* 5. *Nectaria* 5, glandular, at the base of the filaments. *Capsules* 5, monospermous. *Obs.* 3815. *Lherit. L.*

1. *Peduncles* mostly uniflorous.

1. GERANIUM *sanguineum*. Leaves quinquepartite and septempartite; segments trifid. *Obs.* 3828. Specimen gathered near Barmouth in Merioneth.



shire in a primitive district, and others on limestone in thickets in Monsal dale near Bakewell in Derbyshire. 21 June.—*L. succ.* n. 616; *sp.* 958. *Bot. arrang.* 734. *Walc. t.* *Smith brit.* 738; *engl. t.* 272. *Roth germ. i.* 295. *Huds.* 305. On calcareous rocks, and dry stony pastures.—*Fl. dan. t.* 1107. *Asso n.* 640. *Pollich. n.* 655. *Gouan hort.* 343. Near Montpellier.

*G. haematodes.* *Park. par.* 229. *t.* 227. *f.* 6. *Raii syn.* 360. Heaths and thickets, especially in mountainous countries.

*G. sanguineum maximo flore.* *Tourn. paris.* 84.

*G. sextum.* *Fuchs.* 210. *c.* 76, *cop. in*

*G. sanguineum sive haematodes crassa radice.* *Bauh. J. iii.* 478, & *abr. in*

*Sanguinaria radix.* *Trag.* 348, representing plants in which the leaves of the smaller size.

*G. VII. aquarodes.* *Clus. hist. ii.* 102, *repr. in*

*G. sanguinarium.* *Ger. by Johns.* 945. In its most luxuriant state.

*Leaves* opposite; *laminae* 7 tenths of an inch long.

*Peduncles* alternate, several times longer than the leaves, with a single pedicle. *Petals*  $5\frac{1}{2}$  tenths of an inch long. *Obs.* 5804. Specimen gathered on Arthur's-seat near Edinburgh.—*Petals* 7 tenths of an inch long. *Obs.* 5806. Specimen gathered in Saville's garden.

*Native* of Europe from Spain to Sweden.

*GERANIUM sanguineum.* *Geoffr. iii.* 521.

*G. sanguinarium.* *Dale* 237. *Lew. i.* 464.

*G. sanguineum maximo flore.* *Chom.* 592.

2. *Peduncles biflorous.* *Petals entire.* *L. a Gmel.*

2. *GERANIUM maculatum.* *Leaves* quinquepartite; segments incise; *Stem* dichotomous. *Peduncles*



villose, with acute hairs. *Obs.* 6812. Specimen gathered in Fothergill's garden.—*Obs.* 6814. Specimen gathered by Dr. Cutler in New England.—*L. sp.* 955. *Hort kew.* ii. 435.

*G. pedunculis bifloris*, calycibus inflatis, pistillo longissimo. *Cult.* 469.

*G. pedunculis bifloris*, caule bifido erecto, foliis summis sessilibus. *Gron. virg.* 101; *ed.* i. 78.

*G. batrachioides americanum maculatum*, floribus obsolete caeruleis. *Dill. hort.* 158. *t.* 132. *f.* 159.

*Stem* 13 inches long, leafless below the dichotomy. *Radical leaves* petiolate, reaching nearly to the dichotomy; *cauline leaves* 2, opposite, petiolate. *Peduncles* solitary, that at the first dichotomy longer than the lateral branches and nearly twice as long as the leaves. *Petals* entire. *Filaments* subulate, villose. *Obs.* 6812.

*GERANIUM maculatum.* *Bart.* 7. *Coxe* 372. *Schoepf* 107.

3. *GERANIUM pratense.* Leaves multipartite; segments pinnatifid. Stem dichotomous. Peduncles and pedicles with globiferous hairs. Filaments ovate at the base. *Obs.* 1531. In a meadow.—*L. sp.* 954. *Bot. arrang.* 728. *Curt. lond.* iv. 49. *t.* 250. *Smith brit.* 732; *engl. t.* 404. *Walc. t.* *G. batrachioides.* *Dod.* 63, *rep. in Ger. by John.* 942, &

*G. III. batrachoides majus.* *Clus. hist.* ii. 100.

*G. quintum.* *Fuchs.* 210. *c.* 76, *cop. in*

*G. batrachoides.* *Bauh. J.* iii. 475. *Raii syn.* 360.

*G. batrachoides*, flore albo vel caeruleo. *Park. par.* *t.* 227. *f.* 5.

*Stem* dichotomous. *Peduncles* solitary, none at the first dichotomy. *Leaves* septempartite and no-

vempartite, opposite; veins of the upper surface sulcate. *Petals* blue. *Filaments* incumbent, ciliate at the very base. *Obs.* 5839. In a meadow.

**GERANIUM** batrachoides. *Dale* 237. *Lew.* i. 465.

4. **GERANIUM** graveolens. Leaves ternate; folioles pinnatifid. Calyces with 10 angles. *Petals* obovate. *Obs.* 3711. In shady places.

*G. robertianum.* *L. suec.* n. 619; *sp.* 955. *Curt. lond.* i. 52. *t.* *Bot. arrang.* 729. *Smith brit.* 732; *engl. t.* 1486. *Fl. dan. t.* 694. *Raii syn.* 358. *Tourn. paris.* 270. *Lob. obs.* 375, *repr. in ic.* i. 657, *Dod.* 62, and *Ger. by Johns.* 939, & *abr. in*

*G. robertianum* vulgare. *Park. theatr.* 710.

*Geranioides*, quod *G. robertianum* primum viride. *Vaill. paris.* 80.

*G. robertianum* primum rubens. *Vaill. paris.* 80.

*G. robertianum* I viride. *Boerh.* i. 266.

*G. l. robertianum* rubrum. *Boerh.* i. 266.

*G. tertium.* *Fuchs.* 209. *c.* 76. *cop. in*

*G. robertianum* murale. *Bauh. J.* iii. 480, & *abr.* & *impr. in*

*Gratia dei*, vel *Geranion.* *Trag.* 108.

*G. V.* *Cam. epit.* 603.

**GERANIUM** robertianum. *Chom.* 592. *Dale* 236. *Geoffr.* iii. 520. *Linn.* 196. *Mill. Jos.* 213. *Murr.* iii. 396. *Rutty* 218. *Vog.* 63.

*Herba Roberti.* *Lew.* i. 465.

3. *Peduncles* biflorous. *Petals* bifid incise and emarginate. *L. a Gmel.*

5. **GERANIUM** molle. Leaves septemfid novemfid and quinquemfid. *Peduncles* opposite to the floral

leaves. Calyces with very short mucrones. Arilli glabrous, rugose. Seeds smooth. *Obs.* 3805. Near Chesterfield.—*Smith brit.* 734; *engl. t.* 778. *L. sp.* 955: *Bot. arrang.* 731. *Curt. lond.* ii. 50. t. 141. *Fl. dan.* t. 679.

*G. columbinum majus*, foliis tenuiter dissectis, foliis florum bifidis. *Tourn. paris.* 85.

*G. columbinum villosum*, petalis bifidis purpureis. *Vaill. paris.* 79. t. 15. f. 3.

*G. columbinum.* *Raii syn.* 359. *Ger. by Johns.* 938, repr. from

*Pes columbinus.* *Dod.* 61, & cop. in

*G. columbinum vulgare.* *Park. theatr.* 706.

*G. II. Cam. epit.* 600.

*Stem* flowering upwards. *Leaves* subrotundoreniform, pubescent; segments semitrifid. *Petals* semibifid, purplish pink, half as long again as the calyx. *Obs.* 3805.

*GERANIUM columbinum.* *Chom.* 592. *Dale* 236.

*Geoffr.* iii. 519. *Lew.* i. 465. *Mill. Jos.* 212.

#### 448. TRIBULUS.

*Calyx* quinquepartite. *Petals* 5, patent. *Style* none. *Capsules* 5 and 10, gibbose, with more than 1 seed, spinose and tuberculate. *Obs.* 8434. 8435. *L.*

1. *TRIBULUS muricatus.* Larger spines of the capsules 3 & 4, longer than the body of the capsule. Leaves sexjugate; folioles distinct, the outer smaller. *Obs.* 8435. Specimen gathered in Pitcairn's garden.

*T. terrestris.* *L. a Murr.* 402; *sp.* 554. *Hort. kew.* ii. 62. *Asso n.* 352. *Raii hist.* 1344. In Italy, and the south of France.—*Dod.* 547, repr.

in *Libb. obs.* 528; *ic.* ii. 84, & *Ger. by Johns.* 1246. *Park. theatr.* 1097. *Gouan hort.* 207. Near Montpellier.—*Clus. hisp.* 465. No fig.—*Host* 220. *Bauh. J.* ii. 352.

*T. foliolis sex parium pinnatis.* *Guett.* ii. 445. Between Rochelle and Rochefort.

*T. terrestris, folio ciceris, fructu aculeato.* *Bocrh.* i. 298.

*T. terrestris minor incanus hispanicus.* *Barrel. t.* 558.

(*T. foliis sexjugatis, flore amplo odorato.* *Browne* 220, is *T. cistoides.*)

*Capsules 9, disperma.* *Obs.* 8485. Native of Spain, Italy, and of France as far north as Rochelle.

*TRIBULUS terrestris.* *Dale* 268. *Geoffr. suite* iii. 227.

2. *TRIBULUS lanuginosus.* Larger spines of the capsules 3 and 4. Leaves quinquejugate, to octojugate; folioles distinct, the outer smaller. *From L. sp.* 553; *mont.* 380; &

*T. terrestris zeylanicus, cauleculis villosis, fructu acuminato.* *Burm. J. zeyl.* 226. t. 106. f. 1.

*TRIBULUS terrestris.* *Lour.* i. 331.

## 449. HELICTERES.

*Calyx* tubular, obliquely quinquefid: *Petals* 5. *Germen* stipitate. *Capsules* 5, unilocular, polyspermous, mostly twisted spirally. *From L. n. Willd. L. Juss.* 278.



1. **HELICTERES** *Isora*. Leaves elliptic, subcordate. Fruit twisted, attenuate. *From Swartz. obs. 345, & L. a Willd. iii. 721; sp. 1366 a*  
*H. arbor indiae orientalis*, siliqua varicosa & funiculi in modum contortuplicata. *Pluk. alm. 181; phyt. t. 245. f. 2.* A branch without fructifications. A fruit.  
*ISORA-MURRI. Rheede vi. 55. t. 30. Raii hist. 1765.*  
*Fructus regis. Rumph. vii. 23. t. 17. f. 1.*
2. **HELICTERES** *jamaicensis*. Leaves cordate. Fruit twisted, cylindric. *Obs. 8726.* Specimen gathered by Dr. Wright in Jamaica. The account of the fruit from *Jacq. amer. 235. t. 179. f. 99,* a capsule; *Sto. 304; hort. ii. t. 143; & Swartz. ind. occid. ii. 1156,* where for acuto read obtuso as in the descr. 1157.  
*H. Isora. L. & Murr. 826.—β L. sp. 1366. Swartz. obs. 345.*  
*Helicteres. Browne 330.*  
*H. arbor indiae occidentalis, fructu majore. Pluk. alm. 182; phyt. t. 245. f. 3.* A capsule.  
*ABUTILO AFFINIS arbor altheae folio. Sloane cat. 97;—hist. i. 220.*

## 450. NYSSA.

- Calyx superior, obsolete dentate. Petals 7, unequal. Drupe. Obs. 5363. L.*  
 Male flowers on a distinct plant. *L.*—Male and female flowers in some species on distinct plants.  
*Marsh. 95. 97. 98.*

1. *NYSSA denticulata*. Leaves remotely dentate. Nuts oblong, furrowed, somewhat wrinkled. *H. K.* iii. 446.  
*N. aquatica* (fem.) *L. sp.* 1511.  
*N. angulisans*. *Michaux* ii. 259.  
*N. uniflora*. *Walt.* 253.  
*N. pedunculis unifloris*. *Gron. virg.* 162; *ed.* i. 121.  
 Arbor in aqua nascens, foliis latis acuminatis et dentatis, fructu oleagni minore. *Catesb.* i. t. 60.  
 Nut deltoid.  
*NYSSA aquatica*. *Marsh.* 96.
2. *NYSSA candicans*. Leaves cuneato-oblong, slightly hoary underneath. Petioles short. Drupes oblong. *From Michaux* ii. 259? Male flowers conglobate.  
*N. capitata*. *Walt.* 253? Flowers globoso-capitate.  
*NYSSA Ogeche*. *Marsh.* 97.

#### 451. GOMPHIA

*Calyx* pentaphyllous. *Petals* 5. *Antherae* nearly sessile. *Drupe* 2 and 5, monospermous, fixed to a roundish fleshy receptacle. *L. a Willd.*

1. *GOMPHIA Jabotapita*. Racemi terminal. *Petals* thrice as long as the calyx. *Drupe* immersed in the receptacle. Leaves ovato-lanceolate, serrate. *L. a Willd.* ii. 570.  
*Ochna Jabotapita*. *L. sp.* 732.  
 Jabotapita pyramidato flore luteo, fructo rubro. *Plum.* ic. 147. t. 153.  
*JABOTAPITA*. *Marcgr.* 101; *cop. in Pis. Ind.* 166. *Rail hist.* 1692.

## 453. QUISQUALIS.

*Calyx* quinquefid, filiform. *Petals* 5, inserted into the calyx. *Drupe* pentagonal. *From L.*

1. **QUISQUALIS indica.** *L. sp.* 556; *mant.* 381.  
*Lour. i.* 336.

*a glabra.* Glabrous. *From*

*Q. pubescens* *β.* *Burm. N. ind.* 104. *t.* 28. *f.* 2.

*QUIS QUALIS.* *Rumph. v.* 71. *t.* 38.

## 453. CERATOPETALUM.

*Calyx* quinquepartite, stamiferous, permanent. *Petals* 5, pinnatifid. *Antherae* calcarate. *Capsule* bilocular, covered in the bottom of the calyx. *L. a Willd. ii.* 580.

1. **CERATOPETALUM gummiferum.** *Smith new holl. i.* 9. *t.* 3.

**RED GUM.** *Kite in med. soc. iv.* 70. *White, J. voy.* 178.

## 454. MELASTOMA.

*Calyx* with 5 divisions, campanulate, superior semi-superior and inferior. *Petals* 5, inserted into the calyx. *Berry* quinquelocular, invested by the calyx. *Obs.* 8516, 8517, 8518, & *from Swartz. Juss. L.*

1. **MELASTOMA malabathrica.** *Stamina* 10. *Leaves* entire at the margin, quinquenervose, lanceolato-ovate, scabrous. *From L. sp.* 559; & *a Willd. ii.*

592; *mant.* 381. *Forst. G. austral. n.* 193. *Donn* 97.

*M. quinquenervia hirta major*, capitulis sericeis villosis. *Burm. J. zeyl.* 155. *t.* 73.

*FRAGARIUS niger.* *Rumph. iv.* 137. *t.* 72.

*Kadali.* *Rheede iv.* 87. *t.* 42.

*Baccifera indica*, fructu umbilicato quinquecapsulari polyspermo. *Raii hist.* 1493.

2. *MELASTOMA crispata.* Stamina 10. Leaves entire at the margin, quinquenervose, in fours. Branches winged; wings curled. *L. sp.* 560, & *a Willd. ii.* 593, from

*FUNIS MURAENARUM mas.* *Rumph. v.* 66. *t.* 35. *f.* 1.

3. *MELASTOMA septemnervia.* Stamina 10. Leaves entire at the margin, septemnervose, lanceolato-ovate, hispid. *From Lour. i.* 335.

4. *MELASTOMA fragilis.* Stamina 10. Leaves serrate, quinquenervose, ovate, reticulate. Racemi brachiate, terminal. Lower peduncles trifid. Pedicles mostly biflorous. *L. a Willd. ii.* 591; *a Murr.* 404; *fil. suppl.* 236.

*Texuatl. Hern.* 413.

*CAAGHIYUYO.* *Marcgr.* 59, *cop. in Pis. ind.* 217.

#### 455. KALMIA.

*Calyx* quinquepartite. *Corolla* campanulate, with 10 prominencies on the outside. *Capsule* quinquelocular. *Obs.* 5101. *L.*



1. *KALMIA latifolia*. Corymbi terminal. Leaves elliptic. *Obs.* 3416. Specimen gathered in Fothergill's garden.—*L. sp.* 580. *H. K.* ii. 64. *Curt. mag.* t. 175.

*K. foliis ovatis, corymbis terminatricibus. Gron. virg.* 65.

*Ledum floribus bullatis confertis in summis caulibus nascentibus, foliis ex oblongo-lanceolatis integerrimis glabris. Trew sel.* 10. t. 38.

*Chamaedaphne foliis tini, floribus bullatis umbellatis. Carterb.* ii. t. 98.

*Cistus chamaerhododendros mariana laurifolia, floribus expansis summo ramulo in umbellam plurimis. Pluk. mant.* 49; *phyt.* t. 379. f. 6.

*Peduncles with viscous hairs. Obs.* 3416.

*KALMIA latifolia. Bart.* 19. 47. par. 1. *Core* 373. *Smith, J. D. account from in chir. rev.* xviii. 8.

#### 456. LEDUM.

*Calyx quinquesfid. Petals 5. Capsule quinquelocular, opening at the base. Obs.* 6627. *L.*

1. *LEDUM tomentosum*. Leaves tomentose underneath. *Obs.* 6627. In Mr. S. Shore's garden.

*LEDUM palustre. Coste & Willem. in med. comment.* v. 298. *Krock. n.* 623. *Longmore in ann. med.* iii. 374. *Maton in phys. journ.* iv. 97. *Ploucq. bibl.* i. 334. *Rosenst.* 195.

*L. rosmarini folio. Dale* 232.

*Rosmarinus sylvestris. Pharm. suec.—Berg.* 360. *Lew. disp. by Dunc.* 343. *Linn.* 135. *Murr.* ii. 75. *Schoepf* 66.

*Cistus Ledon*, foliis rosmarini ferrugineis. *Neum.* ii. 257.

α *oblongifolium*. (Variation.) Leaves elliptico-oblong. 7773. In Mr. Knowlton's garden.—*Obs.* 6628. Leaves and flowers gathered by Mr. Paulson in Hudson's bay.

*L. latifolium*. *Hort. kew.* ii. 65; iii. 502. *Jacq. coll.* ii. 308; *ic.* iii. t. 464.

*L. groenlandicum*. *Retz. scand. n.* 493. *Fl. dan. t.* 567.

Flowers corymbose. *Calyx* orbicular, whitish, quinquefid and repandose; segments roundish. *Petals* 5, incumbent at the base, falling off distinct. *Obs.* 7773.—*Stamina* in some flowers 5, in others 10. *Obs.* 1668.

β *lanceifolium*. (Variation.) Leaves lanceolate. *Obs.* 6627.

*Rosmarinus sylvestris asopus*. *Clus. pann.* 72, repr. in *hist.* i. 84, & cap. in *Bauh. J.* ii. 24.

*Chamaepeuce Cardi*. *Dalech.* 1179.

*Rosmarinum sylvestre*. *Cam. epit.* 546, cop. in

*Rosmarinus sylvestris quarundam*. *Bauh. J.* ii. 23, and

*Rosmarinum sylvestre asmos*. *Park. theatr.* 76.

Leaves, lower glabrous underneath, upper linear-lanceolate. *Calyx* very short, quinquefid. *Stamina* as long as the petals. *Obs.* 6627.

γ *linearifolium*. (Variation.) Leaves lanceolato-linear. *Obs.* 3417. Specimen gathered in the London gardens, probably in Fothergill's.

*L. palustre*. *L. succ. n.* 352; sp. 561. *Hort. kew.* ii. 65 α. *Fl. dan. t.* 1031.

*Ledum*. *L. lapp. n.* 160. *Buxb. v.* 29. t. 55. f. 2.

*L. silesiacum*. *Clus. pann.* 69, repr. in *hist.* i. 83,

564 DECANDRIA. 457. Rhododendrum.

*cop. in Tab. ic. 1069, and Park. theatr. 75, and repr. in*  
*Cistus Ledum silesiacum. Ger. by Johns. 1288.*  
*Rosmarium sylvestre. Matth. 789, cop. in*  
*Rosmarinum sylvestre, sive boemicum, Dalech. 967,*  
*& imit. in*  
*L. foliis rosmarini alterum, Lob, obs. 558, which*  
*repr. in ic. ii. 124, and cop. in*  
*L. rorismarini folio. Tab. ic. 1070, and*  
*Rosmarinum sylvestre Matthioli. Park. theatr. 75,*

457. RHODODENDRUM.

*Calyx quinquepartite and quinquefentate. Corolla*  
*quinquefid, rotate campanulate and infundibuli-*  
*form. Stamina declinate. Capsule quinquelocu-*  
*lar. Obs. 2921. L.*

1. RHODODENDRUM *chrysanthum*. *Corolla rotate.*  
*Leaves without dots, scabrous above. From L.*  
*fil. suppl. 237. Pall. ross. i. 44. t. 30; reise iii.*  
*869. app. 729. t. N. f. 1. 2, cop. in Kolpin mo-*  
*nogr. Wgodp. iii. 403. t. 149.*

*R. officinale. Salisb. R. par. ii, t. 80.*

*Andromeda foliis ovatis utrinque venosis, corollis cam-*  
*panulatis obliquis. Gmel. J. G. sib. iv. 121. t. 54.*

*RHODODENDRON chrysanthum. Leaves.*  
*Pharm. edin.—Kolpin, account from in med.*  
*journ. i. 226. Lew. disp. by Dunc. 294. Linn.*  
*136. Murr. J. i. 135. Pearson, R. i. 257; ii.*  
*197.*

*Rhododendron Chrysanthemum. Dawson rheum,*  
*app. 46 Guthrie in med. comment. v. 434. Home,*  
*F. clin. 136. Lew. ii. 270.*

*Rhododendrum*. Murr. vi. 72.

2. RHODODENDRUM *ferrugineum*. Corolla infundibuliform. Leaves with crowded peltate scales underneath; glabrous above. *Obs.* 5801. Specimen gathered by M. Broussonett in the north of Spain or south of France.—*L. sp.* 562; *mant.* 381; *a Murr.* 405. *H. K.* ii. 66. *Jacq. obs.* i. 26. *t.* 16; *austr.* iii. *t.* 255.

*R. foliis ellipticis glabris subtus rubiginosis.* Hall. *hist. n.* 1015.

*Ledum alpinum*, foliis ferrea rubigine nigricantibus. *Reich hist.* 1005. On the highest summits of Mount Jura near Geneva.

*Nerium alpinum* quibusdam, aliis *Ledum glabrum*. *Bauh. J.* ii. 21, the uppermost of the two larger figures.

*Euonymus Theophrasti.* Dalech. 271.

*Chamaerhododendros montana allobrogum*, lentiscifolia chamaeleaefolia vel oleastrifolia, minus odora.

*Lob. adv.* 155, repr. in *ic.* i. 366. In fruit.

*Ledi alpini* genus alterum. *Clus. hist.* i. 82. No fig.

(*Chamaerhododendros alpigena* odora. *Lob. adv.*

154. No fig.—*obs.* 199, repr. in *ic.* i. 365, and

*Chamaerhododendros alpigena.* *Ger. by Johns.* 1407, is a bacciferous plant.)

Leaves covered underneath by ferruginous sessile scales. *Obs.* 5801.

RHODODENDRON *ferrugineum*. Pearson, *R.* i. 261. *Ploycq. bibl.* i. 132.

## 458. ANDROMEDA.

*Calyx* quinquepartite quadripartite and pentaphyllous.



*Corolla* ovate; mouth quinquefid and quadrid.  
*Capsule* quinquelocular. *Obs.* 6980. *L.*

Divisible into 2 genera, the dissepiments in some species, being formed as in *A. calyculata*, by the reflected margins of the valves, and in others being inserted into the sides of the valves as in *A. polifolia*.

1. *ANDROMEDA mariana*. Racemi interrupted. Pedicles aggregate. Corollae cylindric. Leaves oblong and oval, entire at the margin, deciduous. *Obs.* 6713. In a garden. 5 Aug.—*L.—H. K.* ii. 67.

*ANDROMEDA mariana*. *Bart.* 20. 47. *Coxe* 366.

- α *ovalifolia*. Leaves ovali-elliptic. *Obs.* 6713. *H. K.*

*A.* pedunculis aggregatis, corollis cylindricis, foliis alternis ovatis integerrimis. *Gron. virg.* 66.

*A.* foliis ovatis, pedunculis fasciculatis, capsulis pentagonis apice dehiscentibus. *Gron. virg. ed.* i. 49.

*Arbuscula mariana* brevioribus euonymi foliis pallide virentibus, floribus arbutis ex eodem nodo plurimis spicatim uno versu prorumpentibus. *Pluk. mant.* 25.

*Vitis idaea mariana*, bullatis floribus amplis uno versu in spicam dependentibus. *Pluk. mant.* 188. t. 448. f. 6.

Leaves alternate, light green, to 3½ inches long. Peduncle woody, leafless. Calyx quinquepartite. Corolla whitish, as long again as the calyx; segments 5, very short. Filaments 7, villose. Germen pyramidal, quinquelocular. *Obs.* 6713.—Leaves to 2 inches long. *Obs.* 6714. Specimen in flower gathered in Fothergill's garden.

- β *oblongifolia*. Leaves oblong. *H. K.*

2. *ANDROMEDA arborea*. Panicles terminal. Leaves denticulate, elliptic, acuminate. Corollae subpubescent. *From Lherit. ap. hort. kew. ii. 69. L. sp. 565. Bot. mag. t. 905.*

A. racemis secundis nudis, corollis rotundo-ovatis. *Gron. virg. 67.*

Frutex foliis oblongis acuminatis, floribus spicatis uno versu dispositis. *Catesb. i. t. 71.*

*ANDROMEDA arborea. Schoepf 67, from Sorrel tree. Clayton in phil. trans. abr. by Hutt. viii. 332.*

#### 459. GAULTHERIA.

*Calyx* quinquefid. *Corolla* ovate. *Nectaria* 10, forming a ring round the base of the germen. *Capsule* quinquelocular and quadrilocular, polyspermous, surrounded by the calyx changed into a berrylike substance. *Obs. 6100. L.*

1. *GAULTHERIA procumbens*. Leaves elliptic. *Obs. 6100. In Miss Wood's garden.—L.—Hort. kew. ii. 71. Andr. rep. ii. t. 116.*

*Bracteae* 3, one at the base of the peduncle, lanceolate, 2 at the base of the calyx, ovate, opposite. *Calyx* white. *Filaments* hirsute, inserted into the receptacle. *Antherae* bifid; segments bifid. *Calyx* of the unripe fruit scarlet, nearly covering the capsule, with a scent and taste very much like those of storax. *Obs. 6100.*

*GAULTHERIA procumbens. Bart. 20. Cox 372. Longmore in ann. med. iii. 374. Marsh. 52. Gaultheria. Schoepf 67.*

## 460. ARBUTUS.

*Calyx* quinquepartite and quinquefid. *Corolla* ovate; mouth quinquefid. *Berry* superior, quinquelocular; cells monospermous and polyspermous. *Obs.* 6167, & *L.*

1. *Berry polyspermous.*

1. ARBUTUS *Unedo*. Leaves oblongo-elliptic, obtusely serrate, glabrous. Racemi compound, terminal, nodding, glabrous. *Obs.* 6167. In Mr. S. Shore's garden.—*Hort. kew.* ii. 71. *L. sp.* 566; *fil. suppl.* 238. *Gouan hort.* 207. Near Montpellier.—*Bot. arrang.* 427. *Smith brit.* 442.

*A. folio serrato, flore oblongo, fructu ovali.* *Mill. Ph. ic.* 32. t. 48. f. 1.

*A. folio serrato.* *Magn. monsp.* 26. *Boerh.* ii. 217. *Mill. Ph. ic.* 32. t. 48. f. 2. Berries round.

The Strawberry tree. *Evel. by Hunt.* ii. 81. t.

*A. sive Unedo.* *Molineux. in phil. trans. abr. by Lowth.* iii. 545. In the Islands of Lough Lane in the county of Kerry in Ireland, and in rocky places round about it.

*A. Comarus Theophrasti.* *Bauh. J. i. a.* 83, *cop. from*

*Arbuti ramus cum flore.* *Dod.* 792, the flowering branch *cop. in Stap.* 244, and the whole *repr. in*

*Arbutus.* *Clus. hisp.* 77; *hist.* i. 47; *Lob. obs.* 571; & *Ger. by Johns.* 1490; & *cop. in Park. theatr.* 1490. *Stap.* 243. *Matth.* 270. *Cam. epit.* 168. *Dalech.* 195, *imit. in Dod.* 792. *Roxi hist.* 1576; *europ.* 67. In Sicily, Italy, and the south of France; *syn.* 461. In the west of Ireland, (but not from his own observation, as evident from the



mark prefixed to it in) *cat.* 27. *Llwyd in phil. trans. abr. by Hutt.* v. 701. On the mountains of Keri in Ireland.

*Stem* shrublike. *Branches* pilose. *Petioles* pilose. *Calyx* quinquefid; segments distinct. *Corolla* villose within, glabrous without. *Filaments* inserted into the receptacle, villose. *Antherae* with 2 appendages at the base; cells 2, opening at the base; appendages attenuate, recurvate, scabrous with very short acute points. *Germen* quinquelocular, ovate, scabrous with rugose tubercles, which are not prominencies occasioned by the seeds. *Obs.* 6167.

**ARBUTUS.** *Clegh.* 40. *Dale* 312.

*A. Unedo.* *Bryant* 158.

*Unedo.* *Geoffr. suite iii.* 398.

2. **ARBUTUS** *Andrachne.* Leaves oval; margin entire and serrate. Panicles pubescent, erect. Stem arboreous. *Hort. kew.* ii. 72. *L. sp.* 566. *Ehret. in phil. trans.* lvii. 114. t. 6; and *abr. by Hutt.* xii. 403.

*Andrachne* Theophrasti. *Bell. ap Clus. hist.* i. 48, *repr. in Ger. by Johns.* 1602, and *cop. in Bauh. J. i. a.* 87,

*Andrachne.* *Park. theatr.* 1490, &

*Andrachne cum flore.* *Stap.* 245, in fruit;—sine flore ex Alpino. No fructifications.

*Leaves* glabrous, acute; margin entire at each end. *Obs.* 7743. Specimen gathered in Fothergill's garden.

**ADRACHNE.** *Dale* 312.

2. *Berry pentaspermous.*

3. **ARBUTUS** *buxifolia.* Leaves entire at the margin.



*Obs.* 7742. On gritstone rocks on Kinder Scout in Derbyshire, in company with Mr. Knowlton who discovered it. In fruit 8 April.

A. Uva ursi. *L. succ. n.* 358; *sp.* 566; *lapp. n.* 162. *t.* 6. *f.* 3. *Huds.* 177. Found by Sir J. Nasmyth at Drummelzier in Twedale, and by Hope on dry heaths in the north of Scotland.—*Lightsf.* 216. *t.* 11. *c. d. at p.* 216. On East-common wood near Hexham in Northumberland, and throughout the Highlands and Hebrides.—*Bot. arrang.* 428. *Smith brit.* 443. *Fl. dan. t.* 33. *Woodv. i.* 194. *t.* 70. *Jacq. coll.* iii. 90.

Radix idaea putata, et Uva ursi. *Bauh. J. i.* 523, in fruit.

Uva ursi. *Med. mus. i.* 89. *t.* *Clus. hisp.* 79, between Guadix and Baca in Granada; *repr. in hist. i.* 63,

Uva ursi Galeni apud Clusium. *Lob. ic. i.* 366;

Vaccinia ursi, sive Uva ursi apud Clusium. *Ger. by Johns.* 1416; & *cop. in*

Uva ursi Galeni Clusii. *Park. theatr.* 1457.

Vitis idaea foliis carnosis et velut punctatis, sive Idaea radix Dioscoridis. *Raii hist.* 1489, on Jura and Saleve and la Bastie near Geneva.

Vitis idaea L. *Clus. pann.* 77, *repr. in hist. i.* 61, &

Vaccinia pannonica, sive Vitis idaea. *Ger. by Johns.* 1416, and *cop. in*

Vaccinia nigra pannonica. *Park. theatr.* 1456, and *ill cop. in*

Vitis idaea, fructu nigro. *Bauh. J. i. a.* 519, which *fig. repr. in* 518. *Raii hist.* 1488.

Vaccinia rubra, foliis myrtinis crispis. *Raii syn.*

457, to whom it was shewn, but not in fructification, by Willisel on a great stone by the river Gorpel near Widdophead near Heptonstal in the West riding of Yorkshire. (That it formerly grew

on Gorple stone, an isolated rock about 15 feet high, a quarter of a mile from Widdophead, appears from a note in Mr. Knowlton's copy of Raii syn. written by his grandfather to whom Bolton shewed some plants which he had collected there. My son searched for it in vain, and Mr. Knowlton informs me that the country people rooted it up to sell to the apothecaries.)—*Llwyd in phil. trans. abr. by Hutt.* v. 701, in Ireland; vi. 22, in the Isle of Mull in that part next to Y Colomb Kil, (where Lightfoot also found it.)

*Stems* prostrate, shrubby, tough, often creeping, to 3 feet long, covering patches of 3 feet wide; branches leafy; young branches obscurely pubescent, reddish. *Leaves* obovate and elliptico-obovate, reticulate, slightly shining, crowded, erect, above dark green, underneath paler green, microscopically pubescent at the margin, especially towards the base. *Berries* spheroidal, red, glabrous, containing 5 and 6 seeds, in a soft dry tasteless grumous matter. *Seeds* somewhat oval, convex on the outer side, rather acute on the inner, in a circle. *Obs.* 7742.—*Calyx* quinquepartite; segments roundish, incumbent. *Corolla* pale rosecoloured. *Antherae* oval, nutant; horns 2, incurvate, inserted into the base. *Obs.* 6655. Gathered by Mr. Salt on the moors between Sheffield and Calverin Derbyshire, on gritstone.

*Native* of the mountains of Europe from Spain to Lapland.

*UVA URSI.* *Leaves.* *Pharm lond.*—*Berg.* 362. *Bisset ess.* 157. 161. 164. *Carth.* iv. 188. *Cull.* ii. 13. *Davie in phys. journ.* xv. 347. *Ferriar i.* 109. *Haen.* i. 132. 204. 358. 362; ii. 61; iii. 268; *ill transl. in med. mus.* i. 89. 96. 15. 601. *Heberd.* 79. 360. *Lew.* ii. 479. *Linn.* 136. *Med.*

*mus.* iii. 335. *Monro* iii. 287. *Murr.* ii. 54. *Quadrin. febr.* 408. 413. *Schoepf* 67. *Spielm.* 433. *Vog.* 123.

A. *Uva ursi.* Leaves. *Pharm. edin.*—*Bourne*, account from in *phys. journ.* xiv. 463, and *chir. rev.* xii. 190. *Bree* 343. *Bryant* 157. *Cull. clin.* 91. 107. 321. *Gaitskell in med. facts* iv. 72. *Krock. n.* 625. *Lew. disp. by Dunc.* 152. *Murr. J. i.* 217. *Pearson, R. ed. ii.* 345.

*Vitis idaea.* *Bart.* 9. *Dale* 294.

4. *ARBUTUS alpina.* Leaves serrate. *Obs.* 6656. Specimen gathered in the garden of Fothergill.—*L. suec. n.* 359; *sp.* 566; *lapp. n.* 161. *Lightf.* 215. t. 11, a, b, at p. 216, who found it in *Ross-shire*, and in the island of *Skye*.—*Huds.* 177. Found by Hope on Ben Grihum, and elsewhere in *Sutherland*.—*Bot. arrang.* 427. *Smith. brit.* 442. *Fl. dan. t.* 73.

*Uva d'orso di Galeno.* *San. a Mont. t.* 178.

*ARBUTUS alpina.* *Bryant* 157.

#### 461. CLETHRA.

*Calyx* quinquepartite. *Petals* 5. *Stigma* trifid. *Capsule* trilocular, trivalve. *L.*

1. *CLETHRA integerrima.* Leaves entire at the margin? *From*  
*C. tinifolia.* *Swartz. ind. occid.* 845?  
*Tinus occidentalis.* *L. sp.* 530?  
*Volkameria.* *Browne* 214. t. 21. f. 1?  
*CORTEX RESTRINGENS* *barbadensis.* *Hilary* 210. *Bastard Locus.*  
*Baccifera arbor calyculata, foliis laurinis, fructu ra-*

cemoso esculento subrotundo monopyreno pallide luteo. *Sloane cat.* 165; *hist.* ii. 86. *t.* 198. *f.* 2, has a monospermous drupe, apparently no corolla, a calyx the segments or phylla of which are acute, and crowded leaves. Bastard Locust tree. Bastard Locust or Forest tree. *Hughes* 149.

462. PYROLA.

*Calyx* quinquepartite. *Petals* 5. *Capsule* quinquelocular, opening at the angles. *L.*

1. *PYROLA uniflora*. Stem uniflorous. *Obs.* 4841. Specimens gathered by M. Broussonett in the Pyrenees—*L. succ. n.* 364; *sp.* 568. *Hoy in linn. trans.* ii. 356. In fir woods near Brodie house in Moray in Scotland.—*Smith engl. t.* 146, leaves rather dentate; *brit.* 446. *Fl. dan. t.* 8. *Gert. belg. foed. n.* 362. In Russia.  
*P. scapo unifloro. L. lapp. n.* 167.  
*P. IIII minima. Clus. pann.* 509, *repr. in hist.* ii. 118, & *Ger. by Johns.* 408, & *cop. in*  
*P. minima alpina. Bauh. J. iii. b.* 536, &  
*P. rotundifolia minor. Hist. ox. s.* 12. *t.* 10. *f.* 2. *Boerh. i.* 278. In Holland.  
*P. minima. Besl. hort. pl. vern. ord.* 6. *fol.* 12. *f.* 2.  
*Leaves* round, serrate. *Obs.* 4841.—subrotundo-oval and elliptico-oval, serrate. *Obs.* 8727. Specimens gathered by M. Junghans in Germany.  
*PYROLA uniflora. Krock. n.* 631. *Linn.* 137. *Schoepf* 68.



2. *PYROLA umbellata*. Peduncles mostly umbellate.*L. succ.* n. 363; *sp.* 567. *Hort. kew.* ii. 74.*P.* III fruticans. *Clus. pann.* 507, repr. in *hist.* ii. 117, and *Ger. by Johns.* 408, and cop. in*P.* fruticans. *Park. theatr.* 509, & *Bauh. J.* iii. 536.*PYROLA umbellata.* *Coxe* 575. *Krock. n.* 630.*Linn.* 137. *Marsh.* 117. *Schoepf* 68.3. *PYROLA maculata*. Peduncles biflorous. *L. sp.*567. *Hort. kew.* ii. 74. *Mill. Ph. dict. n.* 4. *Bot. mag.* t. 897.*P.* pedunculis bifloris. *Gron. virg.* 68.*P.* petiolis apice bifloris vel trifloris. *Gron. virg. ed.* i. 48.*P.* mariana, arbuti foliis angustioribus, trifoliata, ad medium nervium linea alba utrinque per longitudinem discurrente. *Pluk. mant.* 157; *phyl.* t. 349. fol. 157. pl. 7.*PYROLA maculata.* *Schoepf* 68.4. *PYROLA secunda*. Racemus secundose. *L. succ.*n. 362; *sp.* 567. *Lightf.* 219. In Rossshire and Perthshire.—*Bot. arrang.* 430. *Smith. engl. t.* 517; *brit.* 445. *Mill. Ph. dict. n.* 2. In Westmorland.—*Fl. dan.* t. 402.*P.* floribus uno versu sparsis. *L. lapp. n.* 168.*P.* II tenerior. *Clus. pann.* 506, repr. in *hist.* ii. 117, and *Ger. by Johns.* 408, & cop. in*P.* tenerior. *Park. theatr.* 509, &*P.* folio serrato. *Bauh. J.* iii. b. 536. *Raii hist.* 1233. Near Geneva, Constance, and elsewhere in the Alps.*Ambrosia montana.* *Dalech.* 1148. On a mountain near Grenoble in Dauphine.

*PYROLA* folio mucronato serrato. *Chem.* 570.

*P. altera.* *Dale* 257.

5. *PYROLA minor.* Style straight, shorter than the germen. Flowers racemose, scattered. *Obs.* 7955. Specimen gathered between Ramsor and Okeymoor in the moorlands of Staffordshire, on gritstone. Aug. —*L. succ. n.* 361; *sp.* 567. *Lightf.* 218. *Bot. arrang.* 429. *Huds.* 176. Near Clapham in Yorkshire.—*Sibth. ox.* 137. *Abb.* 92. *Smith engl. t.* 158; *brit.* 444. *Dill. ap Raii syn.* 363. *Fl. dan. t.* 55.

*P. vulgaris altera foecunda.* *Raii eur.* 211.

*P. folio mucronato serrato.* *Raii syn.* 363, to whom it was shewn by Witham in Haselwood near Sir Walt. Vavasor's park in Yorkshire?

*Pyrola.* *Raii cat. ed. i.* 256; *ed. ii.* 246. In Haselwood woods?

Native of Scotland, the north of England, the moorlands of Staffordshire, Oxfordshire, Bedfordshire, and Hertfordshire.

*PYROLA minor.* *Thal. herc.* 85.

Rheumatism-weed. *Cutl.* 444.

6. *PYROLA declinata.* Style declinate, longer than the germen. *Obs.* 4839. Specimen gathered by Dr. Cutler in New England.—*Obs.* 7954. Specimen gathered by Broughton in Britain.

*P. rotundifolia.* *L. succ. n.* 360; *sp.* 567. *Lightf.* 218. *Bot. arrang.* 429. *Smith engl. t.* 213, on a common at Bradwell near Yarmouth; *brit.* 444. *Fl. dan. t.* 110. *Gouan hort.* 208. Near Montpelier.—*Asso n.* 355.

*P. staminibus et pistillis declinatis.* *L. lapp. n.* 169.

*P. rotundifolia major.* *Vaill. paris.* 166. *Boerh. i.* 278. In Holland.

- Limonium*. *Fuchs*. 457, c. 177, *cop in*  
*Limonium sylvestre*. *Trag*. 707,  
*Pyrola*. *Dalech*. 841, *Bauh. J.* iii. b. 535, & *Dod*,  
 188, *repr. in Ger. by Johns*. 408. *Cam. epit.* 723,  
*Raii syn.* 363. *Lob. obs.* 157, *repr. in ic. i.* 294, &  
*P. vulgarior*. *Clus. hist.* ii. 116, & *cop. in Hist.*  
*or. s.* 12. t. 10. row 2. f. 1, and  
*P. nostras vulgaris*. *Park. theatr.* 508.  
*P. folio amplo molli*. *Clus. pann.* 504. No fig.  
*P. vulgaris*. *Raii cur.* 211. Style incurvate downwards.  
*P. major*, *sen Beta sylvestris*. *Thal.* 85. No fig.  
*Pyrola*. *Matth.* 982.  
*Native of North America, and of Europe from*  
*Spain to Lapland, chiefly in mountainous situations,*  
*but also in Holland, Suffolk, and the neighbourhood*  
*of Paris and Berlin.*  
*PYROLA rotundifolia*. *Chom.* 570. *Linn.* 137.  
*Schoepf* 68.  
*Pyrola*. *Berg.* 364. *Dale* 237. *Geoffr. suite* ii. 119.  
*Herm.* 560. *Krock. n.* 627. *Mill, Jos.* 365.  
*Murr.* ii. 79. *Schrod.* 658. *Spiclm.* 392. *Vog,*  
 77.  
 Consumption root. *Cutl.* 444.

## 463. STYRAX.

*Calyx* inferior. *Corolla* infundibuliform. *Drupe*  
 dispermous. *L.*

1. *STYRAX officinale*. Leaves ovali-elliptic, sub-  
 villose underneath. Flowers corymbose. *Obs.*  
 8227. Specimen gathered in Fothergill's garden.  
 —*Hort. kew.* ii. 75, *L. sp.* 635; a *Murr.* 409.

- Mill. Ph. ic. t. 260. Woodv. ii. 197. t. 71: Gaertn. t. 59. Regn. t. Tourn. inst. 598. t. 369.*  
*S. folio mali cotonei. Boerh. ii. 218.*  
*Styrax. Dalech. 115. Lob. adv. 429, repr. in ic. ii. 151. f. 2. f. 1, repr. from obs. 579; cop. in*  
*S. arbor vulgaris. Park. theatr. 1530, and repr. in*  
*S. arbor. Ger. by Johns. 1526. Raii hist. 1680; europ. 242. In woods and hedges about Tusculum*  
*in the Roman state.—Bauh. J. i. b. 341, cop. from.*  
*Styrax. Matth. 89, which impr. in Cam. epit. 38.*  
**STYRAX.** *Storax. Resin. Pharm. lond.—Alst. ii. 417. Dale 297. Lew. ii. 391. Monro ii. 365.*  
*Mead mon. i. 60. Quarin. anim. 102.*  
*Storax. Chom. 405; suppl. 125. Murr. ii. 80. Spielm. 326.*  
*S. solidus. Carth. iii. 366. Geoffr. ii. 565.*  
*Solid Storax. Neum. ii. 13.*  
*S. Calamita. Pharm. austriaco-prov. 69.—Cull. ii. 192. Herm. 662. Hill 714. Mill. Jos. 427.*  
*Quarin febr. 320. Ruttj 501. Vog. 324.*  
*Storax Calamita. Linn. 138.*  
*Storax vulgaris. Berg. 365.*  
*S. officinale. Balsam. Pharm. edin.—Lew. disp. by Dunc. 310. Murr. J. i. 335. Pearson, R. i. 160; ii. 199.*  
*S. vulgaris. Geoffr. ii. 565.*
2. **STYRAX benjufera.**—Leaves oblong, acuminate, tomentose underneath. Racemi compound, as long as the leaves. *Dry.*  
*S. Benzoin. Dry. in phil. trans. lxxvii. 307. t. 13. descr. cop. in abr. by Hutt. xvi. 287, & med. journ. ix. 80; & t. cop in Woodv. ii. 200. t. 72.*



Benzoin. *Dalech.* 1781. No fig.—*Park. theat.* 1572. No fig.

Benjoinum, cujus arbor folio citri. *Bauh. J.* i. 8. 320. No fig.

Belzoinum officinarum. *Raii hist.* 1844.

Benjuifera arbor. *Garc. ap. Clus. exot.* 156. No fig.

**BENZOE.** Benjamin. Resin. *Pharm. lond.*—*Berg.* 760. *Herm.* 658. *Linn.* 265. *Monro* ii. 367. *Murr.* iv. 540. 658. *Ploucq. bibl.* i. 410. *Quarin febr.* 82. 47. *Spielm.* 308. *Vog.* 310.

Benzoin. *Alst.* ii. 403. *Dale* 303. *Schrod.* 714.

Benzoinum. *Cull.* ii. 191. *Geoffr.* ii. 516. *Hill* 716. *Lew.* i. 206. *Mead mon.* i. 60. *Neum.* ii. 17. *Rutty* 61.

S. Benzoin. Balsam. *Pharm. edin.*—*Lew. disp.* by *Dunc.* 310. *Murr. J.* i. 334.

S. Benzoe. *Pearson, R.* i. 159; ii. 199.

Asa dulcis. *Carth.* iii. 371. *Mill. Jos.* 54.

Acid of Benzoen. *Fordyce, G. sev.* iii. 236.

#### 464. INOCARPUS.

*Calyx* bifid. *Corolla* infundibuliform. *Stamina* in 2 rows. *Drupe* monospermous. *L. fil. suppl.* 35, from *Forst. J. char. n.* 53. t. 33.

1. *INOCARPUS edulis.* *Forst. J. char.* 66; *G. enc.* 50; *austral. n.* 197. *L. fil. suppl.* 239.

*GAJANUS.* *Rumph.* i. 170. t. 65.

#### 465. CASEARIA.

*Calyx* pentaphyllous. *Corolla* none. *Nectaria* 4

and 5, alternating with the stamina. *Capsule* berry-like within, trivalve, unilocular. *Seeds* dispersed. *L. a Willd. Jacq.*

1. CASEARIA *ovata*. Leaves subrotundo-ovate, acuminate, serrate, glabrous. Peduncles axillary, multiflorous. *L. a Willd. ii. 629, from authors.*

*ANAVINGA. Rheede iv. 101. t. 49.*

*Baccifera indica, fructu rotundo cuspidato cerasi magnitudine polypyreno. Rati hist. 1682.*

#### 466. AQUILARIA.

*Calyx* campanulate, quinquefid. *Corolla* none. *Nectarium* campanulate, quinquefid. *Stamina* inserted into the inside of the nectarium. *Capsule* bilocular, bivalve, woody; cells monospermous. *L. a Willd. Cav.*

1. AQUILARIA *ovata. L. a Willd. ii. 629. Phys. journ. ii. 294. t. at p. 201. Leaves elliptic. From Cav.*

*Agallochum malaicense. Rumph. ii. 35. t. 10. A specimen without fructifications from Malacca. Leaves elliptic. Fruit received with other branches from Malacca, but not adhering to the specimen, ovate, acuminate, quadrilocular.*

*Sinkoo. Kaempf. 903.*

*Kissina. Kaempf. t. 902. No fructifications. Leaves lanceolate.*

*LIGNUM aloes spurium. Carth. iii. 190.*

## 467. COPAIFERA.

*Calyx* none. *Petals* 4. *Legumen* ovate, monospermous. *Seed* with a berrylike arillus. *L. from Jacq.*

1. *COPAIFERA officinalis*: *L. sp.* 557; *mant.* 381; *a Murr.* 409. *Woodv.* iii. 373. *t.* 137. *Hort. kew.* iii. 492. *Mill. Ph. dict.* who received seeds of it from Rob. Millar who gathered them near Ayapel in the province of Antiochi, 10 days journey from Carthagenæ, but none vegetated.—*Jacq. amer.* 8to, 168; *pict.* 67. *t.* 128, *cop. from*

*Copaiva officinalis. Jacq. amer.* 133. *t.* 86.

*Copaiba. Raii hist.* 1759. *Pis. bras.* 56. No fig.—*Marcg. bras.* 130, a longitudinal section of one of the seedvessels; *cop. in Pis. ind.* 118 at the bottom of the fig. the rest of which is manufactured from those legumina (& *Coapaiba. Marcgr.* 131, a plant resembling a *Dillenia*.)

*Balsamum certarum quarundam plantarum, quas Copaiabas vocant. Bauh. J. i. a.* 306. No fig.

*Native of South America. Specimens in Sir Jos. Banks's herbarium gathered by Aublet in Guiana, and by Mutis in South America.*

*BALSAMUM COPAIVA.* Balsam of Copaiva.

*Pharm. lond.—Bell, B. surg.* ii. 257. *Hill* 704.

*Mill. Jos.* 72. *Monro* ii. 341. *Rutty* 53.

*Balsamum Copaivæ. Pharm. austriaco-prov.* 21.

*succ.—Berg.* 357. *Cull.* ii. 182, 188. *Linn.* 138.

*Murr.* iv. 47. *Quarin anim.* 302.

*Balsamum Copaivum. Carth.* iii. 410.

*Balsamum de Copaiva. Herm.* 671. *Vog.* 305.

*Balsamum Copaiba. Bisset ess.* 163. *Geoffr.* ii. 485.

MONOGYNIA. 468. Terminalia. 521

*Lew.* i. 193. *Quarin febr.* 320. 411. 412. *Spielm.* 312.

Balsamum Copaivi. *Monro, Don. sold.* ii. 227.

Balsam Copaiba. *Macbeth in med. comment. dec.* II. x. 239.

Balsamus de Copaiva. *Ploucq. bibl.* i. 558.

Balsam of Copaiba. *Neum.* ii. 6.

Balsamum Copaibae. *Alst.* ii. 390. *Fordyce, G. pract.* 208. 375. *Underw.* i. 355. 359. 360; ii. 150.

Capivus. *Dale* 337.

C. officinalis. Resin. *Pharm. edin.—Lew. disp. by Dunc.* 207. *Murr. J.* i. 305. *Pearson, R.* i. 145. 223; ii. 176.

Balsam of Copaiva. *Darw.* ii. 31. 100. 101. 311. 392. 703.

Balsam of Copaivi. *Blizard, account from in med. rev.* i. 328. *Rush* ii. 128.

Balsam Capivi. *Chalm.* i. 199.

Baume de Copau. *Chom.* 626.

468. TERMINALIA.

*Calyx* quinquepartite. *Corolla* none. *Nectarla* 5. *Drupe* inferior, monospermous. From *L. a Schr.* and *L.*

The upper flowers of a racemus male. *L.*

1. TERMINALIA *Vernix.* Leaves lineari-lanceolate, glabrous. From *L. a Willd.* iv. 970. *Lam.*

ARBOR VERNICIS. *Rumph.* ii. 259. t. 86.

2. TERMINALIA *glabrata.* Leaves obovate, gla-



brous, entire at the margin. Drupe smooth. *From Forst. G. austral. n. 389, & escul. 52.*

3. **TERMINALIA** *Catappa*. Leaves slightly tomentose underneath. Drupe sulcate. *From L. mant. 128. 519; fil. suppl. 434, Forst. G. austral. n. 388; esc. 52, and Jacq. coll. i. 190; ic. i. t. 197. Hort. kew. iii. 432.*

(*Ata maram. Raii hist. 1650, is Anona squamosa.*)

**CATAPPA** *domestica*. *Rumph. i. 174. t. 68.*  
Leaves described as glabrous.

*Adamaram. Rheede iv. 5. t. 3. 4. Raii hist. 1521.*

*Catappa. Cook in Hawk. iv. 349.*

*Katapa. Perciv. Rob. ceyl. 314.*

4. **TERMINALIA** *Chebula*. Leaves tomentose underneath, glandulose at the margin, elliptico-oval. Spikes terminal. Petioles glandulose at the end. Drupe pentagonal, glabrous. *From Roxb. ii. t. 197. Drupes yellow.—Retz. obs. v. 31. Leaves glabrous when fully grown, sericeo-hirsute when young.*

*Myrobalana Chepula. Acosta 271. Garc. 195. Clus. ap Garc. 195, repr. in Ger. by Johns. 1500, and cop. in Park. theatr. 247. Drupes.*

*Myrobalanus Chebula. Raii hist. 1531.*

*Myrobalani Chebulae, citrinis similes, nigricantes. Bauh. J. i. a. 205. No fig.*

**CHEBULA**. *Linn. 282.*

*Myrobalanus Chebula. Alst. ii. 300. Dale 306. Mill. Jos. 303.*

*Myrobalani Chebulae. Geoffr. ii. 328. Herm. 348. Lew. ii. 118. Linn. 282, Murr. vi. 235. Spielm. 420. Vog. 272.*

Myrobalani Chebuli. *Rutty* 337. *Schrod.* 770.  
 Mirabolans Chepules. *Pom.* i. 222.  
*FABA* bengalensis. *Geoffr.* ii. 333. *Vog.* 168.  
 Exrescentia Faba bengalensis. *Dale* 305.

5. TERMINALIA *Bellerica*. Leaves glabrous, oblongo-elliptic. Spikes axillary. Petioles glandulose at the end. Drupe pentagonal, sericeous. *From Roxb.* ii. 54. t. 198.

Myrobalanus bellerica. *Breyn. ic.* 18. t. 4. Drupes smooth, oval.

*Prunus indica sylvestris*, fructu flavo pyriformi. *Burm. J. zeyl.* 197.

Dematha. *Herm. zeyl.* 9.

Myrobalana bellerica. *Acosta* 271. *Garc.* 195. *Clus. ap. Garc.* 195, repr. in *Ger. by Johns.* 1500. Drupes.

Myrobalanus bellerica. *Raii hist.* 1532.

Myrobalani Bellericae rotundiores. *Bauh. J. i. a.* 201. t. drupes; 206. descr.

(*Tani. Rhede* iv. 23. t. 10, has obovate smooth fruit.)

MYROBALANUS *Bellerica*. *Alst.* ii. 300. *Dale* 306. *Mill. Jos.* 302.

Myrobalani Bellerici. *Rutty* 337.

Myrobalani Belliricae. *Geoffr.* ii. 330. *Herm.* 348. *Lew.* ii. 117. *Linn.* 282. *Murr.* vi. 235. *Spiclm.* 420. *Vog.* 272.

Myrobalani Bellirici. *Schrod.* 771.

Mirabolans Belleris. *Pom.* i. 222.

## D I G Y N I A.

## 469. SAXIFRAGA.

*Calyx* quinquepartite. *Petals* 5. *Capsule* bilocular, polyspermous, birostrate. *Obs.* 6299. *L.*

1. *Germen semisuperior.*

1. **SAXIFRAGA** *granulata*. Leaves reniform, semimultifid. Root tuberous. *Obs.* 6299. In Monsal dale, Middleton dale, and between Wensley and Winster in Derbyshire, on limestone; near Worcester, Kidderminster, and Nottingham in gravel and sand.—*L. sp.* 576. *Curt. lond.* i. 30. *t.*; *mat. med. t.* 9. *Walc. t.* *Freem. t.* 1. *Bot. arrang.* 434. *Woodv.* iv. 56. *t.* 232. *Fl. dan. t.* 514. *Smith engl. t.* 500; *brit.* 453.

*Saxifragia.* *Bruns.* i. 185.

*Saxifragia quarta.* *Cam. epit.* 719.

*Saxifragia tertia.* *Matth.* 978.

*S. alba vulgaris.* *Park. theatr.* 424, *cop. in*

*S. alba bulbifera.* *Park. theatr.* 424, *and cop. from*

*S. alba.* *Dod.* 313, *which repr. in Ger. by Johns.* 841. *Trag.* 525. *Fuchs.* 706. *c.* 286, *cop. in Dalech.* 1113, &

*S. alba, radice granulosa,* *Bauh. J.* iii. 706.

*S. rotundifolia alba.* *Raii syn.* 354.

*Petals* obovato-cuneiform, triplinervose; lateral ribs bipartite. *Germen* and *Capsule* semisuperior. *Obs.* 6299.

**SAXIFRAGA.** *Krock. n.* 639. *Lew. ii.* 347.

*Schrod.* 676. *Spielm.* 579. *Vog.* 81. 211.

- S. alba.* Berg, 367. Dale 235. Geoffr. suite ii. 383. Linn. 138. Mill. Jos. 398. Murr. iii. 355.  
*S. rotundifolia alba.* Chom. 232. Rutty 468.

2. *Germen nearly inferior.*

2. **SAXIFRAGA** *Cotyledon.* Radical leaves lingulate, serrate; margin cartilaginous. Stem paniculate. Petals oval. *Obs.* 5794. In a garden.—*L. sp.* 570. *a*; *succ. n.* 366, where for lapp. read succ. and for succ. read lapp.—*Fl. dan. t.* 241. *Hort. kew.* ii. 78. *a.* *Scop. carn. n.* 489. *Krock. n.* 634.  
*S. Aizoon.* Jacq. austr. v. 18. t. 438; ap *L. a Murr.* 411.  
*S. foliis radicalibus in orbem positis, serraturis cartilagineis.* *L. lapp. n.* 177. t. 2. f. 2, where the branches represented as uniflorous peduncles, and not as described.  
*S. foliorum ora cartilaginea serrata, petiolis paucifloris, petalis punctatis.* *Hall. hist. n.* 978.  
*S. sedi folio angustiore serrato.* *Boerh. i.* 222.  
*Aizoon serratum.* *Cord. fol.* 92. p. 2, cop. in  
*Cotyledon minus sedi folio, montanum.* *Lob. adv.* 165, which repr. in  
*Umbilicus veneris.* *Lob. ic. i.* 386, and  
*Umbilicus veneris minor.* *Ger. by Johns.* 530, the upright plant.  
*Palmaria.* *Tab. ic.* 842. No stems.  
*Umbilicus veneris minor I & II.* *Tab. ic.* 874.  
*Sedum serratum.* *Bauh. J. iii. b.* 689. Leaves lanceolate.—*Rati hist.* 1045. On the alps of Tirol and Switzerland, and on Saleve and Jura near Geneva.



Cotyledon altera Matthioli. *Park. par.* 232. *t.* 233. *f.* 2.

Cotyledon II Matthioli. *Dalech.* 1322, *cop. in*

Cotyledon altera. *Dod.* 131, *repr. in*

Umbilicus veneris, sive Cotyledon altera. *Ger. by Johns.* 528.

Umbilicus veneris alter. *Matth.* 1123. Leaves entire at the margin.—*Cam. epit.* 859, *cop. in*

*Sedum montanum roseum serratum, flore guttato I. Barrel. t.* 1309.

*Sedum montanum roseum serratum, flore guttato III. Barrel. t.* 1312.

*Sedum montanum roseum serratum, foliis subrotundis. Barrel. t.* 1310. Leaves rhombeco-cuneiform.

*Calyx* glabrous. *Petals* subrotundo-oval, yellowish white, dotted in the middle with minute crimson spots.

*Germen* subrotundo-oval. *Obs.* 5794.—*Petals* when dried evidently triplinervose. *Obs.* 5230. Specimen gathered in the Edinburgh garden.

UMBILICUS VENERIS alter. *Dale* 235.

### 3. *Germen inferior.*

3. SAXIFRAGA *tridactylites*. Leaves cuneiform and trifid and lanceolate. Stem dichotomous, with globiferous hairs. *Obs.* 853. On walls.—*L.—Bot. arrang.* 434. *Curt. lond.* ii. 28. *t.* 129. *Walc. t. Smith brit.* 454; *engl. t.* 501. *Krock. n.* 640.

*S. verna annua humilior. Tourn. paris.* 299. *Vaill. paris.* 176. *Dill. ap. Raii syn.* 354.

*Sedum tridactylites tectorum. Raii syn. ed. ii.* 213; *hist.* 1043.

*Paronychia altera. Dod.* 112, *repr. in*

*Paronychia rutacco folio. Ger. by Johns.* 624, & *cop. in*

*Paronychia altera*, rutaceo folio. *Park. theatr.* 556,  
which repr. in

*Paronychia incisus foliis.* *Park. theatr.* 556.

*Tridactylites tectorum*, flore albo. *Bauh. J.* iii.  
762. No fig.

(*S. hypnoides.* *Scop. carn. n.* 499. t. 16. is a different species.)

*Capsule inferior.* *Obs.* 853.

**PARONYCHIA.** *Dale* 235. *Geoffr. suite ii.* 335.  
*Mill. Jos.* 333.

#### 470. SCLERANTHUS.

*Calyx* monophyllous. *Corolla* none. *Seed* 1, inclosed by the calyx. *Obs.* 1441. *L.*

1. **SCLERANTHUS annuus.** Segments of the calyx ovate, acute, when in fruit patulous. *Obs.* 1441. Near Worcester.—*Bot. arrang.* 436. *Fl. dan. t.* 504. *Smith engl. t.* 351; *brit.* 458. *L. suec. n.* 377; *sp.* 580. *Fl. dan. t.* 504. *Asso n.* 360. *Gouan hort.* 211. Near Montpelier.

*Alchimilla supina*, gramineo folio, minore flore. *Tourn. paris.* 49. 378. *Stamina* 5.—*Vaill. paris.* 4.

*Knawel.* *Boerh.* ii. 93, annual.—*Rupp. ab Hall.* 3. *Dill. ap. Raii syn.* 159. *Dod.* 115, repr. in

*Polygonum selinoides*, sive *Knawel.* *Ger. by Johns.* 566, & cop. in

*Polycarpum.* *Dalech.* 444, and

*Polygonum germanicum*, sive *Knawel germanorum.* *Park. theatr.* 447. *Raii syn. ed. ii.* 68.

*Polygonum tertium Dodonaei*, sive *tenuifolium.* *Bauh. J.* iii. 377. No fig.

*Polygonum minus alterum.* *Tab. ic.* 835, abr. in

Upright Knawel. *Pet. herb. t. 9. f. 6.*

*Stamina* 6 to 9, 3 with antherae containing pollen, the rest abortive. *Antherae* of 2 of the perfect *stamina* bilocular, the third unilocular. *Obs.* 5648. In the King's park near Nottingham.—*Stamina* mostly 8, 6, 7, and 9, 2 or 3 of which as long again as the rest. *Obs.* 1441. Aug.—*Stamina* 2, with 3 other filaments of different lengths. *Obs.* 6319. Gathered by Mr. Williams near Doncaster. June.

*KNAWEL.* *Dale* 77.

2. *SCLERANTHUS perennis*. Segments of the calyx oblong, concave at the end, when in fruit connivent. *Obs.* 4676. Specimen gathered in the Vienna garden.—*Bot. arrang.* 437. Found by Mr. Woodward near Bury in Suffolk, and by Mr. Crowe near Snetisham in Norfolk.—*Fl. dan.* 563. *Smith engl.* t. 352, the calyx in fruit too patulous; *brit.* 458. *L. succ. n.* 378; *sp.* 580. *Roth germ.* ii. 468. *Fl. dan. t.* 563.

*Polygonum cocciferum.* *Cam. epit.* 691, the 2 outer figures.

*Polygonum minus polycarpon.* *Tab. ic.* 834, *cop. in*

Spreading Knawel. *Pet. herb. t. 9. f. 7.*

Knawel sempervirens, flosculis albicantibus. *Rupp. ab Hall.* 3.

*Alchemilla gramineo folio*, majori flore. *Vaill. paris.* 4. t. 1. f. 5, including also the last 5 lines of the preceding paragraph, beginning at the word Knawel. Segments of the calyx too acute.

Knawel incanum, flore majore, perenne. *Raii hist.* 213, under n. 1. Corn fields near Eiden in Suffolk.—*Dill. ap. Raii syn.* 160. t. 5. f. 1.

*Polygonum germanis* Knawel. *Trag.* 393.



*Saxifraga anglica*. *Lob. adv.* 183, on a steep chalky dry mount (undoubtedly the barrow called Silbury,) raised by an army between Chipnam and Malbury; *cop. in Dalech.* 1112, and *repr. in*

*Saxifraga anglica*, forte *alsines minimum* genus, *Cynanche Dalescampii*. *Lob. ic. i.* 428, and *cop. in Polygonum polonicum cocciferum*. *Bauh. J.* iii. b. 378.

*Saxifraga anglicana alsinefolia*. *Ger. by Johns.* 567, *cop. in*

*Saxifraga anglica occidentalis Lobelii*. *Park. theatr.* 427.

*Calyx*, phylla membranaceous at the margin, trinervose in the middle; borders transparent, nearly as broad as the green middle. *Obs.* 8711. Specimen from M. Hertel.

*Native* of France, Germany, Denmark, Sweden, Wiltshire, Suffolk, and Norfolk.

*POLYGONUM cocciferum*. *Dale* 77.

#### 471. SAPONARIA.

*Calyx* monophyllous. *Petals* 5, unguiculate; ungues with 2 teeth at the end. *Capsule* unilocular, oblong. *Obs.* 5120. *L.*

1. *SAPONARIA officinalis*. *Calyx* cylindric. Leaves elliptic. *Obs.* 5145. On the side of the Rother near Chesterfield.—*L.—Bot. arrang.* 438. *Poll. n.* 407. *Fl. dan. t.* 543. *Smith brit.* 459. *Krock. n.* 645. *Curt. lond. ii.* 29. *t. Woodv. iv.* 102. *t.* 251.



*S. major.* Dalech. 822, cop. from

*Saponaria.* Lob. obs. 170, which repr. in ic. i. 314, Dod. 179, and Ger. by Johns. 444. Besl. hort. pl. vern. ord. 9. fol. 12. f. 1. How. 108. In moist woods.—Raii hist. 999. (Trag. 900, cop. from

*Struthium.* Fuchs. 780, which cop. in 8vo. ed. 740. c. 300, Dalech. 823, &

*S. vulgaris.* Bauh. J. iii. b. 346, in sunny sandy situations on the sides of rivers, brooks, and pools; is described and figured as having a hirsute stem.)

*Lychnis Saponaria dicta.* Raii syn. 339. Observed more than once on the sides of rivers in Wales and England.

*Lychnis sylvestris*, quae *S. vulgo.* Tourn. paris. 114. Vaill. paris. 120.

*Petals* entire; claws with 2 teeth at the end. Obs. 5145.

**SAPONARIA.** Pharm. austriaco-prov. 64. succ. —Berg. 369. Carth. iv. 127. Dale 230. Geoffr. suite ii. 371. Lew. ii. 338; disp. 236; by Dunc. 347. Linn. 139. Mill. Jos. 393. Murr. iii. 505. Neum. ii. 159. Ploucq. bibl. i. 666. Quarin anim. 22. 49. 171. 191. 200. 241. 261. Ratty 463. Schoepf 69. Spiem. 578. Valentin, account from in phys. journ. xi. 345.

*S. major laevis.* Chom. 659. 147; suppl. 184.

*Saporis.* Schrod. 673.

## 472. DIANTHUS.

*Calyx* monophyllous, tubular. *Petals* 5, unguicu-

late; unguis without teeth at the end. Capsule unilocular, cylindric. *Obs.* 4545. *L.*

1. *Flowers aggregate.* *L.*

1. DIANTHUS *carthusianorum*. Flowers mostly aggregate. Bracteae ovate, aristate, shorter than the calyx. Leaves linear, trinervose. *Smith in linn. trans.* ii. 299. *L. sp.* 586. *Hort. kew.* ii. 88.

*D. floribus aggregatis, squamis calycinis lanceolatis, corollis crenatis.* *Guett.* ii. 284.

*Caryophyllus montanus.* *Vaill. paris.* 30.

*Garyophyllea sylvestris.* *Trag.* 576.

*Betonica sylvestris.* *Fuchs.* 348. c. 144, *cop. in*

*Betonica coronaria sylvestris, flore simplici laciniato rubro.* *Bauh. J.* iii. 328.

*Betonica coronaria, sive Caryophyllus sylvestris vulgarissimus.* *Bauh. J.* iii. 334. No fig.

*Armeria alba, rectius rubra.* *Raii hist.* 990.

*Caryophyllus sylvestris vulgaris latifolius.* *Raii eur.* 87. In Sicily, Italy, France, and Germany.

*CARYOPHYLLUS sylvestris.* *Dale* 230.

2. *Flowers solitary.* *L.*

2. DIANTHUS *plumarius*. Bracteae much shorter than the calyx, ovate, acute. Petals multifid. Leaves microscopically aculeate at the margin. *Obs.* 1377. In a garden.—*L.—H. K.* ii. 90.

β *bicolori-plenus*. Petals white, blackish crimson at the base of the laminae; laminae semimultifid, glabrous. Flowers double. *Obs.* 5960. In a garden.

*Caryophyllus hortorum multiplex minor, rubro-*

striatus, versicolor, peramoenus. *Lob. ic. i.* 442,  
middlemost fig. repr. in

Caryophyllus minor, rubro et albo variegatus.  
*Ger. by Johns.* 589, middlemost fig.

**CARYOPHYLLUS** pleno flore minor. *Chom.*  
315.

3. **DIANTHUS** *Caryophyllus*. Bractee much shorter  
than the calyx, ovate, acute. Petals crenate,  
beardless. Leaves entire at the margin. *Obs.*  
4545. In a garden.—*L. sp.* 587. *Hort. kew.*  
ii. 89.

D. floribus solitariis, squamis calycinis subovatis  
brevissimis, corollis crenatis. *L. ups.* 104.

Caryophyllus hortensis. *Raii hist.* 986.

*α* *ruber*. Petals red. *Obs.* 4545.

D. Caryophyllus. *Woodv.* 223. *t.* 80.

Caryophyllus silvestris major vulgaris. *Lob. ic. i.*  
440, repr. in

Caryophyllei flos simplex. *Dod.* 174, and

Caryophyllus simplex major. *Ger. by Johns.* 590.

Betonica coronaria, sive Caryophyllos flore simplici  
sativus. *Bauh. J.* iii. 328. No fig.

Leaves sometimes microscopically dentate at the base.  
*Obs.* 4545.

**CARYOPHYLLUS** flore simplici. *Dale* 230.

*β* *rubro-plenus*. Corolla red, double, *From memory.*  
In a garden.

Betonica altilis seu coronaria. *Fuchs.* 349. *c.* 144,  
*cop. in*

Betonica coronaria. *Bauh. J.* iii. *b.* 325, and imit.  
*in*

Caryophyllea. *Trag.* 574.

Caryophylleus flos major. *Dod.* 174, repr. in

Caryophyllus. *Lob. obs.* 241,



*Caryophyllus multiplex.* *Lob. ic. i.* 441, and *Ger. by Johns.* 588.

*Caryophyllus hortensis flore pleno rubro.* *Park. par.* 306.

**TUNICA.** *Pharm. austriaco-prov.* 72.—*Berg.* 372. *Carth. iv.* 238. *Herm.* 583. *Linn.* 140. *Murr. iii.* 503. *Schoepf* 70. *Spielm.* 348. *Vog.* 150.

*D. Caryophyllus.* Flowers. *Pharm. edin.—Lew. disp. by Dunc.* 218.

*Caryophyllus hortensis.* *Alst. ii.* 101. *Schrod.* 557.

*Caryophyllum rubrum.* Clove July-flower. Petals. *Pharm. lond.—Monro iii.* 48.

*Caryophyllus ruber.* *Dale* 229. *Geoffr. iii.* 267. *Hill* 431. *Lew. i.* 295. *Mill. Jos.* 119. *Rutty* 100. *Vog.* 150.

*Caryophyllus altilis major.* *Chom.* 315; *suppl.* 105.

#### 473. VISCAGO.

*Calyx* quinquedentate. *Petals* 5, undivided; ungues without appendages. *Capsule* trilocular. *Obs.* 4632.

Differs from *Cucubalus* in the petals being undivided.

1. *VISCAGO polygama.* *Obs.* 4632. Specimen from Prof. Jos. F. Jacquin.

*Cucubalus Otites.* *L. sp.* 594; a *Murr.* 419. *Bot. arrang.* 446. *Smith engl. t.* 85. *Fl. dan. t.* 518.

*Silene Otites.* *Smith brit.* 469.

*Lychnis viscosa, flore muscoso, minor.* *Tourn. paris.* 211. *Vaill. paris.* 120. Female plant.

*Lychnis viscosa, flore muscoso, minor, semine vidua.* *Vaill. paris.* 120. Barren hermaphrodite plant.



*Lychnis viscosa*, flore muscoso. *Vaill. paris.* 120.  
*Rali syn.* 340. In and about the gravel pits on  
 the north of Newmarket in Suffolk, and from Barton  
 mills to Thetford in Norfolk.

*Sesamoidea magnum salmanticum.* *Clus. hisp.* 345,  
*repr. in hist.* i. 295, and *Ger. by Johns.* 493, and  
*cop. in*

*Muscipula muscoso flore, sive Ocymoides belliforme.*  
*Bauh. J.* iii. 350. Near Bormio in the Grisons.

*Muscipula altera*, flore muscoso. *Lob. adv.* 190.  
*cop. in Dalech.* 684, and *repr. in*

*Muscipula*, sive *Armoraria altera.* *Lob. ic.* i. 453.  
*Native of Spain, Switzerland, Germany, France,*  
*Cambridgeshire, Suffolk, and Norfolk.*

*VISCAGO.* *Vog.* 122.

*Lychnis viscosa* flore muscoso. *Gordon in phil.*  
*trans. abr. by Lowth.* iii. 283; *Hutt.* iii. 362;  
 and *Mihles's ess.* ii. 311.

## TRIGYNIA.

### 474. CUCUBALUS.

*Calyx* quinquedentate. *Petals* 5, divided; unguis  
 without appendages. *Capsule* trilocular. *Obs.*  
 6372. *L.*

1. *CUCUBALUS inflatus.* Calyces inflated, glabrous,  
 with reticulate veins. *Obs.* 6372. In fields.

*C. Behen.* *L. sp.* 591; *succ. n.* 385. *Bot. arrang.*  
 445. *Smith engl. t.* 164. *Fl. dan. t.* 914.

*a glaber.* Leaves glabrous; margin obsoletely and  
 obtusely microscopically dentate. *Obs.* 6372.

**Cucubalus.** *Cull.* 445. Specimen gathered by Dr. Cutler in New England.

**Lychnis sylvestris**, quae Ben album vulgo. *Raii syn.* 337, foliis glabris.

**Lychnis sylvestris**, quae Behen album vulgo. *Tourn. paris.* 346. *Vaill. paris.* 120.

Been album officinarum. *Bauh. J.* iii. 356.

Been album, sive Polemonium. *Dod.* 172. *repr. in*

Behen album. *Ger. by Johns.* 678, &

**Papaver spumeum.** *Lob. ic. i.* 340, and *cop. in Park. theatr.* 263. Petals, as Tournefort remarks, mostly 4.

*Petals*, claws cuneiform, the ends wider than the base of the laminae; laminae bipartite; segments obovate. *Obs.* 6372.

**CUCUBALUS** Behen. *Bryant* 63. *Krock. n.* 659.

Behen album. *Dale* 230. *Mill. Jos.* 79. *Schrod.* 544.

Spatling Poppy. *Clegh.* 25.

#### 475. SILENE.

**Calyx** quinquedentate. *Petals* 5, unguiculate; ungues bidentate at the end. **Capsule** trilocular. *Obs.* 5961. *L.*

##### 1. *Flowers lateral, solitary.* *L.*

1. **SILENE virginica.** Calyces of the flower cylindric, villose. Panicle dichotomous. *L. sp.* 600; *a Murr.* 421; *mant.* 385.

**S. calycibus floris cylindricis**, panicula dichotoma, calycibus villosis. *Gron. virg.* 70.

*Lychnis viscosa virginiana*, flore amplo coccineo,  
sive *Muscipula regia*. *Pluk. alm.* 231. t. 203.  
f. 1. Panicle trichotomous.

*SILENE virginica*. *Bart.* 41. *Coxe* 377.

2. *SILENE polygama*. Petals bifid. Peduncles longer  
than the leaves. Leaves lanceolato-linear, aculeate  
at the margin. Stem with 1 and 2 flowers. *Obs.*  
3429. Specimen from Prof. Jos. F. Jacquin.

*S. Saxifraga*. *L. a Murr.* 422; *sp.* 602. *Hort.*  
*kew.* ii. 99. *Gouan hort.* 217. Near Montpellier.  
—*Hort.* 241.

*Lychnis Saxifraga*. *Scop. carn. n.* 520.

*Lychnis minor saxifraga*. *Seg.* i. 431. t. 6. f. 1.  
Stem with 5 flowers.

*Saxifragia*, seu *Saxifraga antiquorum*. *Lob. adv.*  
182, repr. in *ic.* i. 428, and

*Saxifraga antiquorum*. *Ger. by Johns.* 605.

*Saxifragia magna*. *Matth.* 979, in fruit, cop. in  
*Dalech.* 1113, and

*Saxifraga magna Matthioli et italorum*. *Lob. obs.*  
223, which repr. in *ic.* i. 428, and

*Saxifraga magna Matthioli*. *Ger. by Johns.* 605.

*Saxifraga antiquorum quibusdam*. *Bauh. J.* iii.  
338.

*SAXIFRAGA antiquorum*. *Chom.* 233; suppl.  
79. *Dale* 231.

#### 476. ALSINE.

*Calyx* pentaphyllous. *Petals* 5, bifid and bipar-  
tite. *Capsule* unilocular, polyspermous. *Obs.*  
3700. *L.*



1. *Petals shorter than the calyx.*

1. **ALSINE** *barbata*. Stem terete, with a villose line on one and on two opposite sides. Flowers solitary. *Obs.* 3700. In fields.

*A. media.* *L. sp.* 389. *Huds.* 131. *Lightf.* 172. *Curt. lond.* i. 20. *t. Walc. t. Bot. arrang.* 323. *Tourn. paris.* 3. *Vaill. paris.* 9. *Boerh. i.* 209. In Holland.—*Fl. dan. t.* 525.

*Holosteum* Alsine. *Swartz obs.* 118. In the West Indies.

*Stellaria media.* *Smith engl. t.* 537; *brit.* 473.

*A. foliis ovato-cordatis.* *L. lapp. n.* 186 *a*; *succ. ed. i. n.* 369. *Roy.* 449.

*Alsinæ* primum genus. *Fuchs.* 23. *c.* 7, *imit. in Morsus gallinae.* *Trag.* 385, *and cop. in*

*A. vulgaris, seu Morsus gallinae.* *Bauh. J.* iii. 363. *Raii syn.* 347.

*A. minor.* *Dod.* 29, *repr. in*

*Alsine.* *Lob. obs.* 245,

*A. minor recentiorum, sive Hippia minor.* *Lob. ic.* i. 460, *and*

*A. minor, sive media.* *Ger. by Johns.* 611.

*Stamina* 3, 4, 5, 7. *Obs.* 3700.—*Stamina* 6. *Obs.* 6271.

**ALSINE.** *Dale* 234. *Geoffr.* iii. 67. *Lew. i.* 57. *Mill, Jos.* 27. *Rutty* 19. *Schrod.* 530. *Spielm.* 450. *Vog.* 124.

*A. media.* *Bryant* 94. *Chom.* 808; *suppl.* 211. *Krock. n.* 481. *Schoepf.* 41. *With. in bot. arrang.* 323.

2. **ALSINE** *rotundifolia.* Leaves rhombo-subrotund. *Obs.* 4417. Specimen gathered by Broughton in Jamaica.



*Holosteum cordatum.* *L. sp.* 130; *mant.* 327.

*A. americana nummulariae foliis.* *Herm. prodr.* 306; *par.* 11. *t.* 11. *Sloane cat.* 87; *hist.* i. 203.

*Calyx* pentaphyllous; *phylla* lanceolate. *Petals* 5, white, one third shorter than the calyx, unguiculate; *laminae* bipartite; *segments* lanceolate, with a line along the middle. *Stamina* 3, white, one third shorter than the petals. *Filaments* filiform, united at the base to each other and with the petals. *Germen* ovate. *Styles* 3. *Obs.* 4417.

*HOLOSTEUM* foliis orbiculatis oppositis, racemis laxis terminalibus remotis. *Browne* 139.

Chickweed. *Graing.* 49.

3. *ALSINE scabra.* Leaves lanceolate. Peduncles scabrous. *Phylla* without ribs. *Obs.* 3696. In hedges.

*Stellaria Holostea.* *L. sp.* 603. *Bot. arrang.* 455.

*Curt. lond.* ii. 20. *t.* *Walc. t.* *Smith engl. t.* 511.

(*Fl. dan. t.* 698, has petals divided nearly to the base with acute segments.)

*Gramen Leucanthemum.* *Ger. by Johns.* 47, *cop. in Park. theatr.* 1325.

*Gramen.* *Fuchs.* 141. *c.* 48, *cop. in*

*Gramen Fuchsii, sive Leucanthemon.* *Bauh. J.* iii. 361.

*GRAMEN* *Leucanthemum.* *Dale* 234.

## 477. DEUTZIA.

*Calyx* quinquefid, campanulate. *Petals* 5, entire.

*Filaments* trifid. *Capsule* trilocular, trivalve,

triaristate, polyspermous, opening at the base.

From *L. a Willd.* ii. 730.

1. *DEUTZIA scabra*. Thunb. jap. 185. t. 24.  
*JORO*. Kaempf. 854.

## 478. MALPIGHIA.

*Calyx* pentaphyllous and quinquepartite, with glands at the base on the outside. *Petals* 5, roundish, unguiculate. *Stamina* united at the base. *Berry* unilocular, trispermous. *Obs.* 5576. *L.*

1. *MALPIGHIA puniceifolia*. Leaves entire at the margin, oval. Peduncles mostly uniflorous. *Obs.* 8526. Specimen gathered by Dr. Wright in Jamaica.—*L. sp.* 609. *Hort. kew.* ii. 104.

*M. fruticosa* erecta, ramulis gracilibus patentibus, floribus solitariis. *Browne* 230, who says it had been lately introduced into Jamaica.

*M. mali* punici facie. *Plum. gen.* 46; *ic. t.* 166. *f.* 2. Leaves lanceolate.

*Leaves* oval, mostly emarginate, in texture much resembling those of *M. glabra*, thinner and smaller. *Peduncles* filiform, flexuose, geniculate, the lower portion slightly villose, the upper several times longer than the lower, nearly glabrous, mostly uniflorous, in one instance umbelliferous with 3 pedicles. *Bracteae* 2, adpressed at the joint of the pedicles. *Calyx* quinquepartite, subsericeous with adpressed hairs; segments ovato-lanceolate; glands 6, 2 to 2 adjoining segments, 1 to each of the adjoining segments. *Corolla stamina and pistil* similar to those of *M. urens* and *glabra*, one third smaller. *Obs.* 8526.

*MALPIGHIA puniceifolia*. *Bryant* 207.  
 Barbadoes Cherry. *Long.* 790.

2. *MALPIGHIA glabra*. Umbels and racemi axillary and terminal. Leaves entire at the margin, elliptic. Lower portion of the pedicles longer than the peduncles. *Obs.* 5576. Specimen gathered by Broughton in Jamaica.—*L. sp.* 609, where erase *Hort. ups.* 108; *mant.* 387. *Hort. kew.* ii. 103. *Bot. mag.* t. 813.

*M. foliis ovatis integerrimis glabris, pedunculis umbellatis.* *Mill. Ph. ic.* 121. t. 181. f. 2.

*Cerasus jamaicensis*, fructu tetrapyreno. *Comm. hort.* i. 145. t. 75. No fructifications.

*Cerasus americana*, myrti conjugatis foliis, fructu acerbo tetrapyreno. *Pluk. alm.* 94; *phyt.* t. 157. f. 7.

*Arbor baccifera*, folio subrotundo, fructu cerasino sulcato rubro polypyreno, ossiculis canaliculatis. *Sloane cat.* 17; *hist.* ii. 106. t. 207. f. 2, in fruit. Leaves resembling those of a specimen gathered by Dr. Wright in Jamaica.

*Calyx* with 6 glands on the outside, none at the base of one phyllum, one on the outside of that next adjoining on each side, and 2 on the outside of the remaining phylla. *Stamina* 10, united at the base into a circular ring which is as long as the shorter filaments. *Filaments*, every other somewhat longer. *Germen* ovate, glabrous. *Styles* 3, erect, as long as the germen. *Stigmata* simple, obtuse. *Obs.* 5576.

*MALPIGHIA glabra.* *Bryant* 206. *Jacq. amer.* 136; 8vo, 171, under n. 2.

3. *MALPIGHIA urens*. Corymbi axillary, and terminal. Leaves entire at the margin, elliptico-lanceolate; setae adpressed. Lower portion of the pedicles longer than the peduncles. *Obs.* 8525. Specimen gathered by Dr. Wright in Jamaica.—



*Obs.* 5577. Specimen of a branch with leaves, gathered in Crome garden.—*H. K.* ii. 104. *Mill. Ph. dict. n.* 4, who describes the leaves as cordate at the base.—*L. sp.* 609.

*M. foliis oblongo-ovatis acuminatis setis pungentibus, pedunculis unifloris verticillatis. Mill. Ph. ic.* 121. *t.* 181. *f.* 1.

*M. latifolia, folio subtus spinoso. Plum. gen.* 46; *ic.* 160. *t.* 167. *f.* 1. Umbels pedunculate, axillary, solitary. Berries 2 to one of the umbels.

*Arbor baccifera, folio oblongo subtilissimis spinis subtus obsito, fructu cerasino sulcato polypyreno, ossiculis canaliculatis. Sloane cat.* 172; *hist.* ii. 106. *t.* 207. *f.* 3. Umbels aggregate, and much more resembles my specimens of *M. glabra*, and is probably *M. glabra*  $\beta$ .

*Branches* with numerous minute adpressed setae; internodia dilated and flattened at the end. *Leaves* elliptico-lanceolate, rather ovate at the base, nearly glabrous; setae towards the base of the upper leaves. *Petioles* very short. *Corymbi* compound, twice and thrice as short as the leaves. *Peduncles* very short, with adpressed setae. *Pedicles* many times longer than the peduncles, with scattered setae, geniculate a little above the base, with 2 minute ovate bracteae at the joint. *Calyx* quinquepartite, with 6 glands on the outside; glands 2 fixed to the back of one of the segments, 2 to the adjoining segments, one to the adjoining margin of each of the adjoining segments, the intermediate segment without any. *Petals* 5 unguiculate; laminae, roundish, concave, unequally crenulate. *Germen* ovate. *Styles* 3, somewhat shorter than the germen. *Obs.* 8525.

*MALPIGHIA urens. Jacq. amer.* 136; *Sco.* 171. under n. 2.



4. *MALPIGHIA altissima*. Leaves entire at the margin, lanceolate, ferruginous underneath, glabrous on the upper surface. Racemi terminal, erect. *Jacq. obs. i. 40; amer. 8co, 172.*

## 479. ERYTHROXYLUM.—

*Calyx* turbinate. *Petals* 5. *Nectaria* 5, emarginate, inserted at the base of the petals. *Stamina* connected at the base. *Drupe* unilocular. *L. Jacq.*

1. *ERYTHROXYLUM Coca*. Leaves oblong, rather obtuse, veined, trilineate underneath. Peduncles lateral, scattered, shorter than the flower. *L. a Willd. ii. 747, from authors.*

*Myrto similis indica, fructu racemoso. Bauh. Carp. pin. 469.*

*COCA. Clus. exot. 177. No fig.—Dalech. 1921.*

*No fig.—Mon. ap. Clus. exot. 340. No fig.*

*Coca peruina. Hern. 302. No fig.*

## PENTAGYNIA.

## 480. AVERRHOA.

*Calyx* pentaphyllous. *Petals* 5, patent above. *Stamina* inserted into a nectariferous ring, every other shorter. *Pomum* pentagonal, quinquelocular. *L.*

1. *AVERRHOA obtusangula*. Fruit with obtuse angles. *From authors.*

**A. Bilimbi.** *L. sp.* 613; *a Willd.* ii. 749.

Blimbingum teres. *Rumph.* i. 118. *t.* 36.

Bilimbi. *Rheede* iii. 55. *t.* 45. 46.

*Malus indica* fructu pentagono, Bilimbi dicta. *Raii hist.* 1449.

**AVERRHOA** Bilimbi. *Bryant* 275. *Lour.* i. 355.

Billing-bing. *Bont.* 133.

Blimbing. *Cook in Hawk.* iv. 350.

**2. AVERRHOA acutangula.** Fruit with acute angles.  
*From authors.*

**A. Carambola.** *L. sp.* 613; *a Willd.* ii. 750.

*Prunum stellatum.* *Rumph.* i. 115. *t.* 35.

*Malus indica*, pomis anguloso, Carambolas dicta.  
*Raii hist.* 1449.

Carambolas Acostae. *Dalech.* 1872, *cop. in Bauh. J. i. a.* 117, &

Carambolas. *Park. theatr.* 1637.

**AVERRHOA** Carambola. *Bryant* 274. *Lour.* i. 354.

Tamara Tonga, sive Carambolas. *Rheede* iii. 51. *t.* 43. 44.

Fructus Carambolas. *Bont.* 102.

Blimbing Besse. *Cook in Hawk.* iv. 350.

481. LANZANA.

*Calyx* quinquefid. *Petals* 5. *Drupe*; nut unilocular. *From Buchanan.*

**1. LANZANA solitaria.**

**LAUNZAN.** *Buchanan in as. res.* v. 123,

## 482. SPONDIAS.

*Calyx* quinquedentate. *Petals* 5. *Drupe*. *Nut* quinquelocular. *L.*

1. SPONDIAS *Mombin*. Petioles compressed. *L. a Murr.* 428.

*S. purpurea.* *L. sp.* 613.

*S. diffusa*, foliis plurimis minoribus pinnatis, penna compressa sulcata, floribus praecocibus. *Browne* 228.

*Myrobalanus minor*, folio fraxini alato, fructu purpureo, ossiculo magno fibroso. *Sloane cat.* 182; *hist.* ii. 126. *t.* 219. *f.* 3. 4. 5.

*Leaves* from octojugate to decemjugate with an odd foliole; folioles obovate, entire and emarginate.

*Petioles* slightly compressed, angular. *Obs.* 8527. Specimen gathered by Dr. Wright in Jamaica.

SPONDIAS *Myrobalanus.* *Jacq. amer.* 8to, 175.

2. SPONDIAS *Myrobalanus*. Petioles terete. Folioles shining, acuminate. *L. a Murr.* 428. *Hort. kew.* ii. 105.

*S. lutea.* *L. sp.* 613.

*S. Mombin.* *Jacq. amer.* 8to, 174.

*S. foliis plurimis pinnatis ovatis, racemis terminalibus, cortice interne rubenti.* *Browne* 229.

*Myrobalanus folio fraxini alato, fructu luteo, ossiculo magno fibroso.* *Sloane cat.* 181; *hist.* ii. 125. *t.* 219. *f.* 1. 2.

*Acaja.* *Marcgr.* 129. A leaf.

*Prunus americana.* *Mer. sur. t.* 13.

SPONDIAS *lutea.* *Bryant* 261.

β *paucifolia.* Leaves fewer than in α. From *Browne*.

PENTAGYNIA. 483. Cotyledon. 546

*Prunus brasiliensis* fructu racemoso, ligno intus pro  
ossiculo. *Raii hist.* 1554. *Sibane cat.* 182.

*SPONDIAS* foliis paucioribus pinnatis ovatis ni-  
tidis, racemis terminalibus. *Brbione* 229.

*Amratata.* *Jones in as. res. iv.* 291?

3. *SPONDIAS dulcis.* Petioles terete, sexjugate. Fo-  
lioles serrate, costate. *Forst. G. austral. n.* 193; *+*  
*esc.* 33.

483. COTYLEDON.

*Calyx* quinquepartite and quadripartite. *Corolla*  
monopetalous. *Nectaria* 5 and 4, at the base of  
the germen. *Capsules* 5 and 4. *Obs.* 2507. 2746.  
*L.*

1. *COTYLEDON umbilicifolia.* Leaves peltate.  
Flowers pendulous. Bracteae entire. *Obs.* 2507.  
On red sandstone near Kidderminster.

*C. Umbilicus.* *L. a Murr.* 423. *Bot. arrang.* 463.  
*Smith engl. t.* 325; *brit.* 484. *Gouan hort.* 220.  
Near Montpellier.

*C. Umbilicus veneris tuberosa.* *L. sp.* 615.

*C. Umbilicus veneris.* *Huds.* 194. *Asso n.* 383.  
*Clus. hist.* ii. 63, repr. in *Bellon.* 56.

*C. major.* *Boerh.* i. 287. In Holland.—*Gutt.* ii.  
437.

*Cotyledon.* *Dod.* 131, repr. in *Lob. obs.* 209, and

*C. minus montanum sedi folio.* *Lob. ic.* i. 386;

(the name belonging to *Sedum Cotyledon*,) *cop.* in

*Umbilicus veneris vulgaris.* *Park. theatr.* 740, and

*Sedum murale tuberosum, umbilicato folio.* *Hist.*

*ox. s.* 12. *t.* 10. *row* 2. *f.* 4, and repr. in

vol. 2.]

N N



*Umbilicus veneris.* *Ger. by Johns.* 528. *Matth.* 1122. *Cam. epit.* 858, one of the figures cop. in

*C. vera, radice tuberosa.* *Bauh. J.* iii. 683. *Raii syn.* 271; *hist.* 1878.

Native of Spain, Portugal, France, Holland, and Britain.

**COTYLEDON.** *Mill. Jos.* 157.

*C. major.* *Chom.* 807.

*Umbilicus veneris.* *Dale* 175. *Geoffr. suite* iii. 393. *Rutty* 552. *Schrod. app.* 29.

2. **COTYLEDON** *lutea.* Leaves peltate. Flowers erect. Bractee dentate. *From L. and Hudt.* 194. Found by Tofield on moistish walls and rocks in the west riding of Yorkshire. In the garden of Mr. Clement who received it from Somersetshire.—*Hort. kew.* ii. 107. *Smith brit.* 484; *engl. t.* 1529, from a plant in Chelsea garden, into which introduced by Hudson.

*C. Umbilicus repens.* *L. sp.* 615.

*Cotyledon radice tuberosa longa repente.* *Raii hist.* 1878.

**UMBILICUS VENERIS** *alter.* *Geoffr. suite* iii. 395.

*Umbilicus Veneris.* *Vog.* 141.

*Cotyledon.* *Dale* 175.

*C. radice tuberosa longa repente.* *Chom.* 807.

3. **COTYLEDON** *laciniata.* Upper leaves pinnatifid. Calyx and corolla quadripartite. *Obs.* 2746. In Mr. Hunter's nursery.—*L. sp.* 615; *mant.* 388. *Lour.* i. 352.
- C. asra, folio crasso lato laciniato, flosculo aureo.* *Boerh. i.* 288. *t.*

*Telephium indicum*. Bont. 132. No fructifications.  
(*Telephium africanum*, angustiori folio, flore aurantiaco. Pluk. alm. 362; phyt. t. 228. f. 3, has an obovate leaf.)

*PLANTA ANATIS*. Rumph. v. 275. t. 95.

#### 484. SEDUM.

*Calyx* quinquefid. *Petals* 5. *Nectaria* 5, at the base of the germen. *Capsules* 5. L.

##### 1. *Leaves flat*. L.

1. *SEDUM Anacampseros*. Leaves entire at the margin, obovate. Flowers corymbose. Obs. 3018. In a garden.—L.—H. K. ii. 108. Curt. mag. t. 118. Lour. i. 353.

*Telephium tertium*. Dod. 130, repr. in

*Telephium VI*, *Cepaea Pancii*. Clus. hist. ii. 67,

*Telephium minus sempervirens*. Lob. obs. 212, and  
ic. i. 390, cop. in Dalech. 1916, &

*Telephium floribus purpureis*. Park. theatr. 727,  
& repr. in

*Telephium sempervirens*. Ger. by Johns. 520. Raii  
hist. 689.

*Anacampseros minor*, rotundiore folio, sempervirens.  
Bauh. J. iii. 682.

*ANACAMPSEROS*. Berg. 375.

2. *SEDUM Telephium*. Leaves dentato-serrate, lanceolate and oblong, acute. Corymbi leafy. Obs. 518. In a garden.—L. succ. n. 400; sp. 616. Smith brit. 485. Bot. arr. 465.

*Anacampseros*, vulgo *Faba crassa*. Raii syn. 269.

**TELEPHIUM.** *Berg.* 373. *Dale* 174. *Krock.*  
n. 684. *Linn.* 140. *Murr.* iii. 348. *Vog.* 121.  
243.

*Anacampseros.* *Geoffr.* iii. 85.

*Crassula.* *Pharm. austriaco-prov.* 32.—*Lew.* ii.  
414. *Mill. Jos.* 158.

*Telephium vulgare.* *Chom.* 580.

*Fabaria.* *Schrod.* 589.

α *purpureum.* Petals purple. *Obs.* 518. *Bot. arr.*  
465. c. *Fl. dan. t.* 686. *Curt. lond.* iii. 25. t.  
210.

*Telephium purpurascens.* *Fuchs.* 761. c. 309, cop.  
in *Dalech.* 1315, &

*Anacampseros purpurea.* *Bauh. J.* iii. 682. *Raii*  
*hist.* 689. *Boerk.* i. 288.

*Telephium V, purpureo flore.* *Clus.* ii. 67, repr.  
in

*Telephium floribus purpureis.* *Lob. ic.* i. 389, and  
*Ger. by Johus.* 520, and cop. in *Dalech.* 1315,  
&

*Telephium minus repens, Cepaea Pancii.* *Park.*  
*theatr.* 727.

*Scrophularia.* *Trag.* 373.

β *album.* Petals white. *Obs.* 4776. Specimen ga-  
thered on a dry sandy bank between Hope and  
Manchester.—*Bot. arr.* 465. α

*Telephium vulgare.* *Raii hist.* 689.

*Cotyledon 2m. Dioscoridis, Cymbalaria.* *Col. ecphr.*  
i. t. 307.

*Fabaria.* *Dalech.* 1315, cop. in

*Telephium alterum, sive Crassula.* *Dod.* 130, repr.  
in

*Telephium.* *Lob. obs.* 211,

*Faba inversa, sive Crassula.* *Lob. ic.* i. 389,

*Telephium II, vulgare.* *Clus.* ii. 66, &

Crassula, sive Faba inversa. *Ger. by Johns.* 518;  
& *cop. in*

Telephium, sive Crassula major vulgaris. *Park. theatr.* 726.

Telephium album. *Fuchs.* 761. c. 309, *cop. in*

Anacampseros, vulgo Faba crassa. *Bauh. J.* iii. 681.  
*Boerh.* i. 288. In Holland.

3. *SEDUM dioicum.* Leaves cuneiformi-oblong, acute, serrate towards the end. Segments of the calyx, petals, nectaria, and germina 4. Stamina 8. Flowers dioecious. *Obs.* 2745. In a garden.

*S. roseum.* *Scop. carn. n.* 560.

*Rhodiola rosea.* *L. suec. n.* 912; *sp.* 1465. *Bot. arrang.* 1123. *Lightf.* 619. On the summits of the higher mountains in the Highlands, and on rocky shores in the islands of Isla, Jona, and Rum.  
—*Fl. dan. t.* 183. *Smith engl. t.* 508; *brit.* 1082.

*Rhodiola.* *L. lap. n.* 378.

*Anacampseros radice rosam spirante, major.* *Boerh.* i. 289. *Dill, ap. Raii syn.* 269.

*Rhodia radix.* *Matth.* 1024. *Dalech.* 982. *Trag.* 913, *repr. in Cord. fol.* 137, p. 2, *cop. in Bauh. J.* iii. 683, with the addition of flowers, & *cop. from*

*Rhodia sive Rosea radix.* *Fuchs.* 634. c. 258. *Lob. ic.* i. 391, *abr. in*

*Rose-root.* *Pet. herb. t.* 42. f. 2, *repr. in*

*Rhodia radix.* *Clus. hist.* ii. 65, *Dod.* 344, and *Ger. by Johns.* 532, where it is said to grow plentifully in the north of England especially on Ingleborough Fels; and *cop. in Park. theatr.* 727. *Cam. epit.* 769. *Raii hist.* 690; *syn. ed.* ii. 152. On the higher mountains, as Snowdon and Cader.



idris in Wales, Ingleborough in Yorkshire, and Hardknot in Westmorland.—*Lhwyd in phil. trans. obs. by Hutt. vi. 22.* On a high hill in the vale of Mull; 20, and on a hill near Brecknock.

*RHODIA radix. Dale 174. Geoffr. iii. 88. Schrod. 661.*

*Rhodiae radix. Berg. 805. Linn, 258. Murr. iii. 353. Vog. 242.*

*Rhodiola. Lew. ii. 414.*

4. *SEDUM rupestre.* Leaves of the shoots linear-lanceolate, sparse, roughish, glaucous. Petals ovato-lanceolate, half as broad again as the segments of the calyx. *Obs. 2942.* Cultivated in a pot from a plant sent by J. Sibthorp from the Oxford garden.—*L. succ. n. 401 a; sp. 618. Bot. arrang. 466.* (The obs. of With. probably belongs to *S. reflexum*.) *Smith engl. t. 170,* apparently too large; *brit. 491. (Fl. dan. t. 59,* is *S. saxatile*.)

*S. rupestre, repens, folijs compressis. Dill. hort. 343. t. 256. f. 333,* who found it on Chedder rocks in Somersetshire. Apparently too large.

*S. minus a rupe Sancti Vincentii. Raii syn. 270.* On St. Vincent's rock near Bristol, and found by Richardson and Llwyd on the rocks of Hisvae in the valley of Nant-phraucon.—*Baerh. i. 286.*

*S. Divi Vincentii. Goody. ap. Merr. pin. 111.* Bristol Sengreen. *Pet. herb. t. 42. f. 8.* Branches of the cyme revolute.

*SEDUM rupestre, Bry, 113,*

2. *Leaves terete. L.*

5. *SEDUM reflexum.* Leaves of the roots nearly terete, fusiform, in 7 rows, smooth. Filaments gla-

brous. *Obs.* 1953. Roofs of houses in many parts of Worcestershire, Warwickshire, Staffordshire, and Derbyshire.—*Bot. arr.* 466. *Huds.* 195. *Relh. n.* 329. *Sibth. ox.* 144. *Smith brit.* 490; *engl. t.* 695, leaves coloured green.—*Pollich. n.* 429. *Roth germ. ii.* 499. *Fl. dan. t.* 113. In Norway, on rocks on the sea shore.—(*L. sp.* 618, cannot be the plant as he refers to *succ. n.* 1296, where the leaves are described as thrice as narrow as those of *S. rupestre*.)

■ *rectum*. Branches of the cyme straight. *Obs.* 1953. *S. rupestre*. *Gouan hort.* 221. α Near Montpellier. *S. minus luteum, folio acuto*. *Tourn. paris.* 146. *Vaill. paris.* 182. *Boerh. i.* 286. *Magn. monsp.* 235. On the walls of vineyards and cultivated grounds.

*Sempervivum minus primum*. *Dod.* 129, *repr. in* *S. minus V.* *Clus. hist. ii.* 60, & *Aizoon hematoides*. *Lob. ic. i.* 378, & *cop. in* *Aizoon minus, sive Sempervivum Dodonaei*. *Dalech.* 1129, &

Common yellow Sengreen. *Pet. herb. t.* 42. f. 5, and *repr. in*

*S. minus haematoides*. *Ger. by Johns.* 512. *Raii cant.* 159. On walls and roofs; *syn.* 269.

*S. minus haematoides l.* *Tab. ic.* 843.

*S. minus mas.* *Fuchs. 33. ed. fol. cop. in* 33. c. 10, &

*S. minus, flore luteo*. *Bauh. J. iii.* 692. Near Basle, on Mount Saleve near Geneva, and between Montpellier and Lyons.

*SEDUM minus haematodes*. *Mill. Jas.* 407.

*S. minus luteum, folio acuto*. *Rutty* 478.

- S. scorpioides*. (Variation.) Branches of the cyme recurvate. *Roth germ.* ii. 500. var. 1.  
*S. rupestre* B. *Gouan hort.* 221. Near Montpellier.  
*S. reflexum*. *Poll. n.* 429 G. *L. sp.* 6. *Hort. kew.* n. 119 C.  
*S. foliis subulatis oppositis confertis adnatis basi membranacea soluta, umbella racemosa.* *Guss.* ii. 99.  
*S. minus luteum, ramulis inflexis.* *Tourn. paris.* 533. *Vaill. paris.* 182.  
*S. minus luteum, ramulis reflexis.* *Raii hist.* 691. *Magn. hort.* 182.  
*Aizoon scorpioides.* *Lob. ic.* i. 377, repr. in *Ger. by Johns.* 513, &  
*S. minus* IV. *Clus. hist.* ii. 60, & cop. in *Vermicularis scorpioides, et non scorpioides.* *Park. theatr.* 734, &  
Crooked yellow Sengreen. *Pet. herb. t.* 42. f. 6.  
*S. minus luteum, flore se circumflectente.* *Bauh. J.* iii. 693. No fig.—*Magn. monsp.* 235. On the walls of vineyards and inclosures.  
*SEDUM reflexum.* *Bryant* 112.

6. *SEDUM album*. Leaves nearly terete, oblong, obtuse, sessile, patent. Cyme branched. *L. succ.* n. 402, on moistish rocks; *sp.* 619. *Bot. arrang.* 467. *Curt. lond.* i. 31. t. *Fl. dan.* t. 66. *Walc. t.* *Huds.* 196. Found by Blackstone on a wall in Kentish town near London.—*Abb. n.* 391. On walls at Stevington and Sharnbrook in Bedfordshire.—*Smith brit.* 489; *engl. t.* 1578. *Poll. n.* 430, on walls and rocks.—*Roth germ.* i. 195. On mud walls.—*Scop. carn. n.* 556. On walls.—*Host* 248. *Gou. hort.* 221. About Montpellier.—*Krock. n.* 689.

*S. foliis oblongis obtusis teretiusculis sessilibus patentibus, panícula ramosa.* *Guett.* ii. 100. In sandy ground, on heaps of stone in vineyards, and on rocks.

*S. minus teretifolium album.* *Raii hist.* 1040; *syn. ed.* ii. 212; *ed.* iii. 271, where erase the asterisk. —*Tourn. paris.* 146. *Vaill. paris.* 181.

*S. minus foemina.* *Fuchs.* 34. c. 10, *cop. in* Aizoon minus foemina. *Dalech.* 1130, &

*S. minus folio longiusculo tereti, flore candido.* *Bauh. J.* iii. 690, & *abr. in*

*S. minus.* *Trag.* 378.

*Sempervivum minus alterum.* *Dod.* 129, *repr. in*

*Vermicularis sive Illecebra major.* *Lob. obs.* 205, *cop. in Dalech.* 1132, *repr. in*

*Vermicularis.* *Lob. ic. i.* 377, *cop. in*

*Vermicularis sive Crassula minor vulgaris.* *Park. theatr.* 734, (the descr. belonging to *S. reflexum*), & *repr. in*

*S. minus officinarum.* *Ger. by Johns.* 512. *Raii cant.* 153. On thatched houses in Chatteresse in the isle of Ely.

Aizoon minus Matthioli. *Dalech.* 1129.

*Native of France, Germany, Sweden, but I suspect only naturalised in Kent, Bedfordshire, and Cambridgeshire.*

**VERMICULARIS.** *Geoffr. suite* iii. 17.

*S. minus.* *Pharm. austriaco-prov.* 66.—*Chom.* 76. *Dale* 235. *Mill. Jos.* 407.

*S. minus teretifolium album.* *Chom.* 805.

7. **SEDUM acre.** Leaves nearly ovate, aduato-sessile, gibbose, nearly erect, alternate. Cyme biramose. Corolla yellow. *Obs.* 3021. Roofs in Kidderminster.—*Obs.* 6309. In Monsal dale, and on



Bramington common between Grange mill and  
Bramington in Derbyshire.—*L. succ.* n. 403; sp.  
619. *Carr. Lond.* i. 32. t. *Bot. erv.* 467. *Woodw.*  
iv. 54. t. 231. *Smith brit.* 487.

*S. tertium* genus *Fuchs.* 84. c. 10, *cop. in*

*S. parvum* acre, flore luteo. *Bauh.* J. iii. 694. *L.*  
*lap.* n. 195. *Boerh.* i. 286. In Holland.—*Raii*  
*hist.* 1041; *ent. ed.* i. 281, on roofs and walls, and  
in dryish situations; *syn.* 270. *Tourn. parv.*  
147. *Vaill. paris.* 182.

*Illecebra* sive *Sempervivum tertium*. *Dod.* 129, *repr. in*

*Sempervivum minimum*. *Lob. obs.* 305, and *ic.* i.  
379, & *cop. in*

*Illecebra insipida*. *Park. theatr.* 735. (The name  
and descr. belong to *S*)

*S. minus* VIII causticum. *Cris. Hist.* ii. 61, *repr.*  
(*de*)

*Vermicularis* sive *Illecebra minor acris*. *Ger. by*  
*Johns.* 517, & *cop. in*

*Illecebra minor*, sive *S. tertium* *Dioscoridis*. *Park.*  
*theatr.* 735.

*Vermicularis*. *Trag.* 379.

*Sempervivum minimum*. *Matth.* 1119. *Cam. epit.*  
856; the inner half *cop. in*

Stonecrop, or Wall Pepper. *Pet. herb.* t. 42. f.  
9.

*SEDUM* acre. *Pharm. succ.*—*Leubender*, account  
from in *phys. journ.* xiv. 430. *Lew. disp. by Ro-*  
*ther.* 240. *Ploucq. bibl.* i. 486.

*S. vermiculare*. *Pharm. austriaco-prov.* 66.

*S. minus*. *Berg.* 375. *Krock. n.* 690. *Linth.* 140.  
*Murr.* iii. 344. *Vog.* 84.

*S. minimum*. *Mill. Jos.* 408.

*S. minus vermiculatum*, acre. *Rutty* 478.

PENTAGYNIA. 486. Oxalis.

535

*Illecebra minor*. *Geoffr. suite iii.* 20.

*Illecebra*. *Dale* 175. *Lem.* ii. 7.

*Vermicularis*. *Schred.* 698.

485. SURIANA.

*Calyx* pentaphyllous. *Petals* 5. *Styles* inserted into the inner sides of the germina. *Seeds* 5, naked. *L.*

1. *SURIANA maritima*. *L. sp.* 624; *a Murr.* 431.

*Forst. G. austral. n.* 199. *Swartz. obs.* 185. *Jacq. amer.* 140; *800*, 177.

*Suriana*. *Browne* 190.

*S. foliis portulacae angustis*. *Plum. ic. t.* 249. *f.* 1.

*Thymelacae facie frutex maritimus tetraspermos*, flore tetrapetalo. *Sloane cat.* 133; *hist. ii.* 29. *t.* 162. *f.* 4.

*SURIANA maritima*. *Scheepf* 70.

*Soda*. *Murr.* iv. 288.

486. OXALIS.

*Calyx* pentaphyllous. *Petals* connected by their margins above the base. *Capsule* quinquelocular, pentagonous, opening at the angles. *Obs.* 5052. *L.*

1. *Leaves ternate*. *L.*

1. *OXALIS Acetosella*. *Scapi* uniflorous, longer than the leaves. *Folioles* obcordate, slightly pilose. *Root* squamose, articulated. *Obs.* 18. *On shady*

- banks.—*L. a* Willd. ii. 780; succ. n. 406; sp. 620. Bot. arrang. 469. Fl. dan. t. 980. *Walc. t. Smith brit.* 491; *engl. t.* 762. *Curt. lond.* ii. 31. t. 111; *mat. med. t.* 16. *Gouan monsp.* 472. *Huds.* 198. *Lightf.* 237. *Woodv.* i. 56. t. 20. *Michaux* ii. 38.
- O. foliis ternatis, scapo unifloro.* *L. lapp. n.* 194.
- Oxys alba.* *Dill. ap. Raii syn.* \*281.
- Oxys flore albo.* *Tourn. paris.* 512. *Vaill. paris.* 155. *Boerh. i.* 319. In Holland.
- Oxys, sive Alleluya.* *Fuchs.* 544. c. 216, cop. in
- Oxys, sive Trifolium acidum flore albo.* *Bauh. J.* i. 387.
- Oxitriphyllon.* *Trag.* 521, repr. in
- Oxys.* *Cord. fol.* 172. p. 2.
- Trifolium acetosum.* *Dalech.* 1555. *Dod.* 568, repr. in
- Oxys plintana.* *Dob.* t. ii. 22, &
- Oxys alba.* *Geol. by Johns.* 1201; & cop. in
- Trifolium acetosum vulgare.* *Park. theatr.* 746.
- Raii syn. ed. ii.* 225; *hist.* 1098.
- Trifolium acetosum flore albo.* *Besl. pl. vern. ord.* 6. fol. 1.
- Native of France, Switzerland, Germany, Britain, Sweden, Lapland, and North America.
- LUJULA.** Wood Sorrel. Leaves. *Pharm. lond.*
- Geoffr.* iii. 748. *Hill* 380. *Lew.* ii. 75; *disp.* by *Dunc.* 269. *Wintr. in Mead* ii. 109.
- Acetosula.* *Aist.* 4. 355. *Berg.* 376. *Carth.* i. 408.
- Dale* 190. *Linn.* 141. *Mill. Jos.* 11. *Murr.* iii. 492. *Neum.* ii. 221. *Rutty* 5. *Schrod.* 525.
- Spielm.* 531. *Stoll med.* iii. 315. *Vog.* 49.
- Alleluia.* *Chom.* 316; *suppl.* 105.
- O. Acetosella.* *Beddoes airs* i. & ii. 47. *Bry.* 106.
- Knoch. n.* 694. *Pears. R. ed.* ii. 332.

2. *OXALIS corniculata*. Stem decumbent. Peduncles with from 1 to 4 flowers. Petioles stipulaceous at the base. Petals spatulate. *Obs.* 4242. Specimen from the London gardens, compared with others from Europe, Asia, Africa, and America in the herbarium of Sir Jos. Banks.—*L. sp.* 623. *Gort. belg. foed. n.* 392. *Host* 250. In Littorali.—*Bot. arrang.* 470. *Retz. obs. i. n.* 52, who observes that if preserved from frost it is perennial.—*Gouan hort.* 222. About Montpelier.—*Smith brit.* 492; *engl. t.* 1726. *Krock. n.* 695. *Lour.* i. 350. (*Roth germ.* ii. 517, and *Poll. n.* 435 is described as having an erect glabrous stem, and glabrous folioles.)

*O. pusilla.* *Sal. R. in linn. trans.* ii. 243. *t.* 23. *f.* 5.

*Oxys corniculata.* *Scop. carn. n.* 562.

*Oxys lutea.* *Raii hist.* 1098; *eur.* 196. In Italy, and Sicily.—*Boerh.* i. 319. In Holland.—*Ger. by Johns.* 1202, *cop. in Bauh. J.* ii. 388, *repr. from*

*Oxys flore luteo.* *Clus. hisp.* 476, about Seville; *which repr. in*

*Oxys flavo flore.* *Clus. hist.* ii. 249.

*Oxys, sive Trifolium acetosum.* *Dod.* 569, &

*Oxys lutea corniculata.* *Lob. ic.* ii. 32, *cop. in*

*Oxys lutea corniculata repens.* *Dalech.* 1355, &

*Oxys luteo flore.* *Park. theatr.* 746, & *abr. in*

*Trifolium acetosum corniculatum luteum minus, repens et etiam procumbens.* *Hist. ox. s. 2. t.* 17. *row 4. f.* 2. *Sloane cat.* 90. In Madeira.

*Trifolium acetosum flavo flore.* *Besl. hort. pl. vern.* *ord.* 6. *fol.* 1.

Pilose. Petioles with a stipulaceous border at the base. Peduncles somewhat shorter than the pe-



petioles. *Filaments* united by their margins, for half their length, transparent, with a line along the middle of each, every other one third longer, the distinct parts subulate. *Obs.* 4242.

*Native* of Madeira, Sicily, Italy, Spain, the south of France, Holland, and Devonshire.

*TRIFOLIUM acetosum corniculatum.* *Magn. monsp.* 271.

3. *OXALIS pubescens.* Stem decumbent, creeping. Peduncles umbelliferous. Petioles stipulaceous at the base. Petals obovate. *Obs.* 8729. Specimen gathered by Broughton in Jamaica.

*O. corniculata.* *Michaux* ii. 39.

*O. stricta, caule debili et declinato.* *Swartz. obs.* 186.

*OXALIS.* *Browne jam.* 231.

2. *Leaves pinnate.* *L.*

4. *OXALIS sensitiva.* Stem umbelliferous at the end. From *L. sp.* 622, &

*Oxyoides malabarica, sensitiva, caule viridi glabro altiore, flore majore.* *Garcin in phil. trans. abr. by Reid & Gray* vi. part ii. 232. t. 4. f. 73, at p. 252.

*Totta Vari.* *Zan.* 199. t. 61, repr. in

*Todda Vaddi.* *Zan. a Mont.* 221. t. 131. f. 2. *Rheede* ix. 33. t. 19.

(*Herba viva.* *Acosta* 290. No fig. Described as having uniflorous scapi.—*Raii hist.* 982. *Dalech.* 1915, cop. in *Park. theatr.* 1617, has uniflorous scapi.)

*HERBA SENTIENS.* *Rumph.* v. 301. t. 104. f. 2.

487. AGROSTEMMA.

*Calyx semiquinquefid. Petals 5, unguiculate. Capsule unilocular. Obs. 8731. L.*

1. *Ungues of the petals bidentate.*

1. AGROSTEMMA *Coronaria*. Tomentose. Flowers on peduncles. *Obs. 43. In a garden. — L. sp. 625; mant. 390. Hort. kew. ii. 115. Curt. mag. t. 24.*

*Lychnis coronaria. Dod. 170, repr. in*

*Lychnis coronaria rubra. Ger. by Johns. 487.*

*Lychnis coronaria vulgo. Bauh. J. iii. b. 840.*

*Lychnis coronaria vulgaris. Park. theatr. 629.*

*Lychnis coronaria simplex. Park. par. t. 255. f. 1.*

*Lychnis. Cam. epit. 869.*

*LYCHNIS coronaria. Dale 230.*

2. *Ungues of the petals without teeth.*

2. AGROSTEMMA *hirsutum*. Calyx longer than the corolla. *Obs. 8731. In a corn field.*

*A. Githago. L. sp. 624. Bot. arrang. 471. Smith engl. t. 741. Fl. dan. t. 576. Curt. lond. iii. 27. t. 209. Wals. t.*

*Lolium. Fuchs. 133. c. 44, abr. in*

*Pseudo-melanthium. Cam. epit. 554. Bauh. J. ilk. b. 841. Dalech. 430. Ger. by Johns. 1087, cop. in*

*Lychnoides setum, sive Nigellastrum. Park. theatr. 632.*

*NIGELLASTRUM. Dale 231. Geoffr. suite i. 192.*

*Lychnis segetum major.* *Chom. suppl.* 123. *Vog.* 239.

*Lychnis segetum major.* *Raii syn.* 338.

488. *LYCHNIS*.

*Calyx* semiquinquefid. *Petals* 5, unguiculate. *Capsule* unilocular trilocular and quinquelocular. *Obs.* 4715. *L.*

1. *LYCHNIS Viscaria.* *Petals* mostly entire. *Capsule* quinquelocular. *Obs.* 7819. Specimen gathered on Arthur's-seat near Edinburgh. May. —*L. succ. n.* 409; *sp.* 625. *Lightf.* 239. Found by Parsons on rocks at the Hermitage near Edinburgh.—*Bot. arrang.* 474. *Smith brit.* 494; *engl. t.* 788. *Fl. dan. t.* 1032. *Roth germ. i.* 200. *Scop. carn. n.* 529. *Host* 252.

*L. sylvestris viscosa rubra angustifolia.* *Raii syn.* 340. Found by Willisell on rocks in Edinburgh park, and by Lhwyd on Craig Wreidkin hill in Montgomeryshire.

*Odontidi sive flori cuculi affinis.* *Bauh. J.* iii. 348.

*L. sylvestris I.* *Clus. pann.* 329, repr. in

*L. sylvestris IV.* *Clus. hist. i.* 289, &

*Muscipula angustifolia.* *Ger. by Johns.* 601.

*Native* of Switzerland, Carniola, Hungary, Germany, Sweden, Scotland, and Wales, in the two latter countries in the clefts of rocks, in Sweden in plains.

*LYCHNIS Viscaria.* *Krock, n.* 699.

2. *LYCHNIS dioica.* *Petals* bifid. *Flowers* mostly male and female on different plants. *Obs.* 4715.

2878. *L. sp.* 626. *Bot. arr.* 474. *Roth germ.* i. 199.

*Calyx* in the male flowers shorter than the claws of the petals; in the female flowers longer than the claws of the petals. *Capsule* conical. *Obs.* 2877. 2878.

♂ *rubens*. Petals purplish pink. *Obs.* 4715. Male and female plants growing together on a sunny bank on the side of a turnpike road. In hedges, on banks, and the sides of rivulets, seldom in corn fields.

*L. dioica*. *L. a.* *Bot. arr.* 474. *a.* *Curt. lond.* ii. 32. *t.*

*L. dioica*. Red Champion. *Walc. t.*

*L. dioica* flore rubro. *Smith engl. t.* 1579.

*L. diurna*. *Sibth. ox.* 145.

*Melandryum Plinii genuinum*. *Clus. hist.* i. 294, *cop. in*

*L. sylvestris* flore albo vel rubro. *Park. theatr.* 631, & *repr. in*

*L. sylvestris* rubello flore. *Ger. by Johns.* 469. *Raii syn.* 339

*Germin* when fully grown conical, quinquelocular, but the partitions becoming obliterated the capsule appears unilocular. *Obs.* 4715.

*LYCHNIS sylvestris*. *Dale* 231. *Mill. Jos.* 277.

♂ *alba*. Petals white. *Obs.* 2878. In corn fields, fallow fields, and sometimes in pastures and hedges.

*L. dioica*. *L. β.* *Bot. arrang. β.* *Fl. dan. t.* 792.

*L. dioica*. White Champion. *Walc. t.*

*L. dioica* flore albo. *Smith engl. t.* 1580.

*L. vespertina*. *Sibth. ox.* 146.

*L. sylvestris noctiflora alba simplex*, calyce amplis-



simo ventricosus et striatus. *Tilli hort.* 105. t. 41.

f. 1. A female plant.

*L. sylvestris*, albo flore. *Raii syn.* 339.

*Ocimoides album* multis. *Bauh. J.* iii. b. 342, inner fig.

*OCYMOIDES.* *Dale* 231.

*L. sylvestris alba simplex.* *Chom.* 122.

3. *LYCHNIS laciniiflora.* Petals quadrifid. Capsule unilocular. *Obs.* 3790. In moist meadows.

*L. flos cuculi.* *L. succ. n.* 408; *sp.* 625. *Curt. lond.* i. 33. t. *Walc. t. Fl. dan. t.* 590. *Bot. arr.* 473. *Smith brit.* 493; *engl. t.* 573. *Poll. n.* 438. Capsule quinquelocular.—*Roth germ.* ii. 512. Capsule unilocular.

*L. plumaria sylvestris simplex.* *Park. par.* 253. No fig.—*Raii syn.* 338.

*L. pratensis*, flore laciniato simplici. *Tourn. paris.* 286. *Vaill. paris.* 121.

*Armerius sylvestris.* *Dod.* 177, repr. in

*Armoraria sylvestris pratensis.* *Lob. adv.* 495,

*Armoraria pratensis sylvestris.* *Lob. ic.* i. 451, &

*Armoraria pratensis mas.* *Ger. by Johns.* 600.

*Flos cuculi*, *Odontis quibusdam.* *Bauh. J.* iii. 347.

No fig.

*Pulsatilla alba.* *Bauh. J.* iii. 410. (The name and descr. belong to a different plant.)

*Cuculi flos germanis.* *Trag.* 403.

*ARMERIA.* *Dale* 231.

## 489. CERASTIUM.

*Calyx* pentaphyllous tetraphyllous and wanting.

*Petals* bifid and emarginate. *Capsule* unilocular,

oblong, curved, opening at the end. *Obs.* 5645.  
*L.*

1. *CERASTIUM arvense*. Petals as long again as the calyx. Leaves linear-lanceolate. *Obs.* 5645. In the King's park near Nottingham, and on the sides of the road from Nottingham to Mansfield to about the third mile stone, in sand and gravel.—*L.*—*Bot. arrang.* 478, where at l. 10 erase *arvensis*.—*Fl. dan. t.* 626. *Curt. lond. vi. t.* 29.

*Holosteum caryophyllaeum. Tab. ic.* 233.

*Native of the eastern half of England.*

*AURICULA MURIS* pulchro flore albo. *Raii cat.* 37.—*Bauh. J.* iii. 360.

- *hirsutum*. Leaves hirsute. *Obs.* 4796.  
*Myosotis arvensis polygoni folio. Vaill. paris.* 141.  
*Myosotis polygoni folio canescente. Vaill. paris. t.* 30. *f.* 5.

*Caryophyllus holosteus. Ger. by Johns.* 595. *Raii hist.* 1027.

*Caryophyllus arvensis hirsutus flore majore. Raii syn.* 348.

*Capsule* opening with 10 teeth. *Obs.* 4668. Specimen gathered by Mr. Robson near Darlington.—*Peduncles* and *calyces* hirsute; hairs acute and terminated by globules. *Obs.* 4796.—*Capsule* roundish in the first stage of its growth. *Obs.* 5645.

- ⚡ *glabrius*. Leaves nearly glabrous. *Obs.* 4670. Specimen from Soles garden.

*C. arvense. Smith engl. t.* 93. In this genus the plants should be represented in fruit as well as flower.

*Myosotis arvensis hirsuta flore majore. Tourn. paris.* 26. *Vaill. paris.* 141. *t.* 30. *f.* 4.

## 490. SPERGULA.

*Calyx* pentaphyllous and tetraphyllous. *Petals* 5 and 4, entire. *Capsule* unilocular; valves 5 and 4. *Obs.* 4900. *L.*

1. *SPERGULA arvensis*. Leaves verticillate. Seeds lenticular, with a very shallow border. *Obs.* 4900. In a corn field.—*L. suec.* n. 419; sp. 630. *Bot. arrang.* 481. *Fl. dan.* 1033. *Curt. lond.* v. 31. t. 307. *Smith brit.* 503; *engl.* t. 1585. *Roth germ.* ii. 304. *Gou. monsp.* 247.

8. *fructu pendulo*. *L. lap.* n. 190.

*Stellaria arvensis*. *Scop. carn.* n. 542.

*Alsine Spergula dicta, major*. *Raii syn.* 351. *Tourn. paris.* 382. *Vaill. paris.* 8. *Boerh.* i. 309. In Holland.

*Spergula*. *Bauh. J.* iii. 722. *Dod.* 527, repr. in

*S. saginae*. *Lob. obs.* 467; *tc.* i. 803, & *Ger.* by *Johns.* 1125, & cop. in

*S. saginae major*. *Park. theatr.* 562.

*Rubia parva flore caeruleo se spargens*. *Bauh. J.* iii. 719. Upper fig. (The name and descr. belong to *Sherardia arvensis*.)

*Panicle* dichotomous. *Peduncles* solitary, at the dichotomies, when in fruit deflex. *Capsule* quinquefid; segments connivent. *Seeds* brownish black, very slightly compressed; border brown. *Obs.* 4900.

*SPERGULA arvensis*. *L. amoen.* v. 67.

## 491. BICHEA.—

*Calyx* none. *Corolla* inferior, quinquepartite. *Nec-*

*tarium* decemdentate. *Filaments* very short or none. *Antherae* coherent to the teeth of the nectarium. *Style* none. *Capsule* unilocular, polyspermous, bivalve, slightly incurvate. *From Brought.*

1. BICHEA *solitaria*.

*Ceratoniae* affinis siliquosa, lauri folio singulari, flore pentapetaloide purpureo striato, siliqua crassa brevi, pulpa esculenta et purgante semina ambiente. *Sloane cat.* 154; *hist.* ii. 60. *t.* 184.

BICHY TREE. *Brought, hort.* 499.

492. HERITERA.

*Calyx* quinquefid. *Corolla* none. *Capsules* 5 & 4, monospermous, ligneous. *From*

*Heritiera. Hort. kew.* iii. 546, and *Buchan. in Symes* ava iii. 319. *t.* 28.

1. HERITERA *littoralis*.—Leaves with simple veins. *Willd.* from authors.

*Heritiera littoralis. Hort. kew.* iii. 546. *L. a Willd.* iv. 971.

NAGAM. *Rheede* vi. 37. *t.* 21.

DECAGYNIA.

493. PHYTOLACCA.

*Calyx* pentaphyllous. *Berry* superior; cells 8 and 10, monospermous. *Obs.* 7279. *L.*



566 DECANDRIA. 493. Phytolacca.

1. *PHYTOLACCA octandra*. Stamina and styles 8.

*L. sp.* 631. *Hort. kew.* ii. 122.

*P. mexicana*, baccis sessilibus. *Dill. hort.* 318. *t.*

239. *f.* 308.

*PHYTOLACCA erecta*, simplex aut vix divisa,  
foliis integris, sustentaculis spicarum rotundatis,  
*Browne* 232.

Sjooriku. *Kaempf.* 829.

Jamma Gobo. *Kaempf. t.* 829.

2. *PHYTOLACCA decandra*. Stamina and styles 10.

*L. sp.* 631. *Hort. kew.* ii. 122. *Bot. mag. t.*  
931.

*Phytolacca. Gron. virg.* 72. *Cult.* 447.

*Phytolaccae vulgaris fructus et flores. Dill. hort.*  
318. *t.* 239. *f.* 309. Berries pedicellate.

*P. americana*, majori fructu. *Boerh.* ii. 70.

*Solanum racemosum americanum. Raii hist.* 662.

*Sloane cat.* 84. *Phyk. alm.* 353; *phyt. t.* 225. *f.*  
3. n. 4.

*Solanum magnum virginianum rubrum. Park. theatr.*  
347.

*Blitum americanum. Munt. phyt.* 23. *t.* 112.

*PHYTOLACCA decandra. Bry.* 126.

*Phytolacca. Dale* 168. 173. *Geoffr. suite i.* 403.

*Lew. disp. by Dunc.* 345. *Linn.* 141, *Med. mus.*  
i. 82. *Murr.* iv. 335. *Schoepf* 71. *Vog.* 114.

*Phytolacca americana*, majori fructu. *Chom.* 787.

*Poke. Rush i.* 259.

*Poake rept. Clayt. in ph. tr. abr. by Hutt.* viii.  
331?

3. *PHYTOLACCA icosandra*. Stamina 16 to 20.

Pistils 10. *Obs.* 8732. Specimen gathered by

DECAGYNIA. 493. Phytolacca. 567

Dr. Wright in Jamaica, and from *L. sp.* 631.

*Gaertn.* i. 377. *Hort. kew.* ii. 223.

*P. mexicana.* *Gaertn.* i. t. 77.

*P. spicis florum longissimis, radice annua.* *Mill.*

*Ph. ic.* 138. t. 207. From Malabar.

*Leaves* elliptic. *Racemus* terminal, 2 inches long.

*Calyx* pentaphyllous. *Stamina* 16. *Pistils* 10.

*Obs.* 8732.

**PHYTOLACCA** assurgens ramosa, spicis florum  
longissimis, sustentaculis trigonis. *Browne* 232.

Mountain Calalue. *Long* 771.

END OF VOL. 2.

Birmingham, Printed by J. Belcher and Son.

